The
CHEMIST AND DRUGGIST
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NOVEMBER 27, 1948

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Ph. 269

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A

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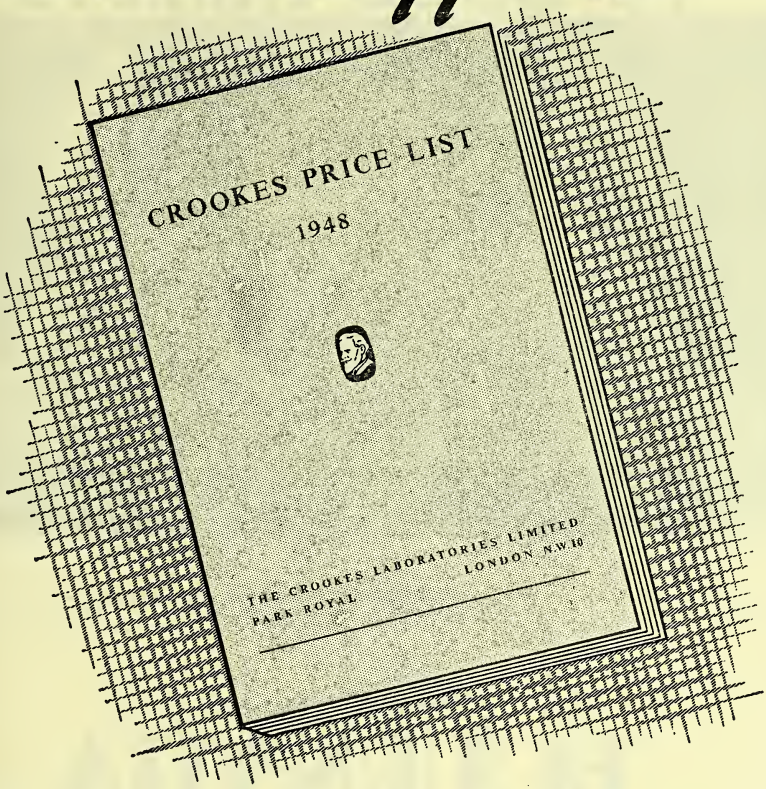

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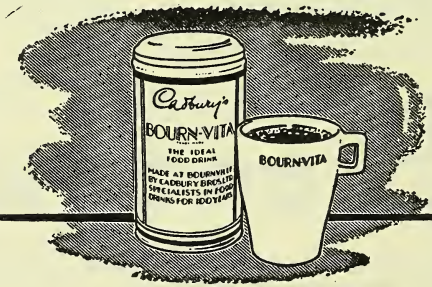

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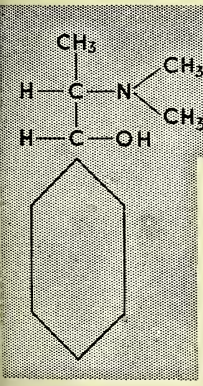

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PRICES

In accordance with permission granted by the Central Price Regulation Committee, the Conference hereby give notice that the prices of Medical & Surgical Plasters will be increased as and from the 1st December 1948, and the new prices will be charged on all orders remaining undelivered on the 30th November 1948.

Amended price lists will be circulated as soon as possible.

JENNER INSTITUTE GLYCERINATED VACCINE LYMPH

PREPARED IN ACCORDANCE WITH THE THERAPEUTIC SUBSTANCES REGULATIONS (BRITISH PRODUCT)

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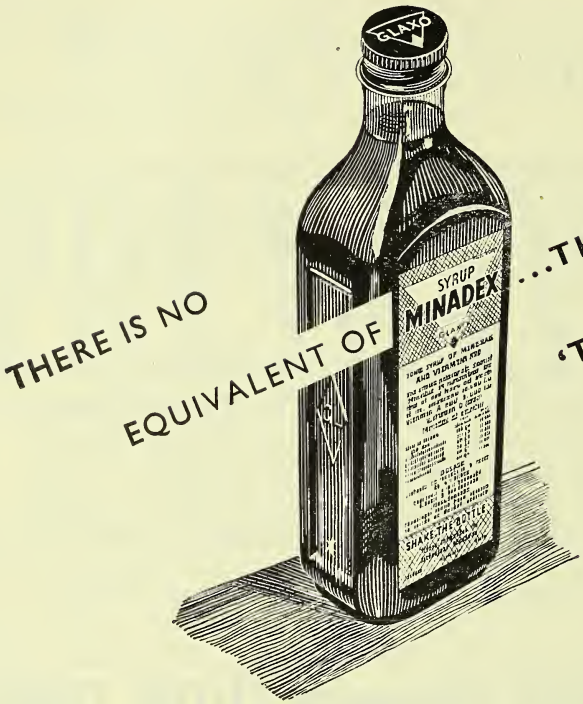

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Chemists Profit 33⅓%

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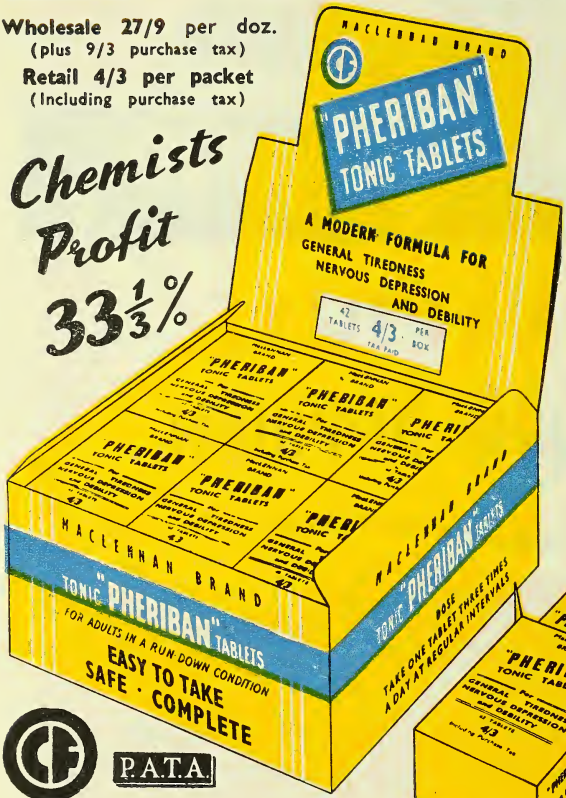

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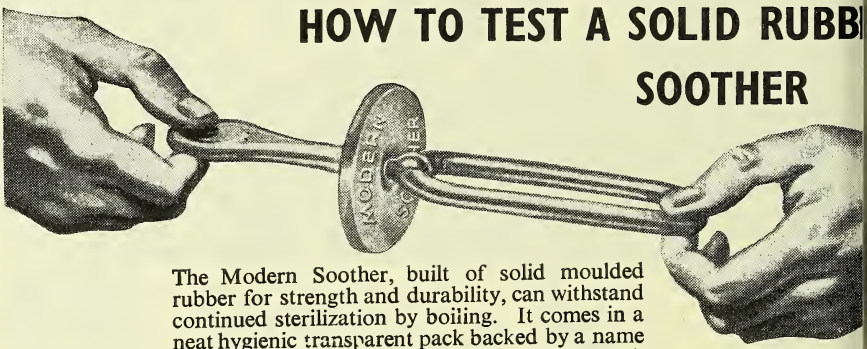

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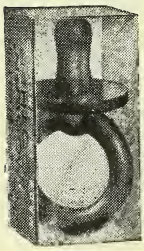

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A CANNON RUBBER PRODUCT

Built to be boiled

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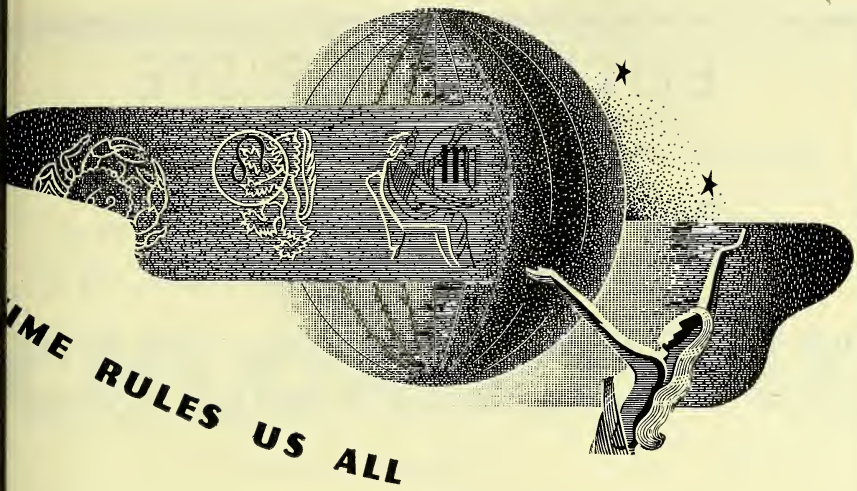

. . . but for customers who depend on insulin to control carbohydrate metabolism it assumes an even greater significance.

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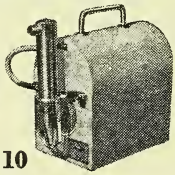

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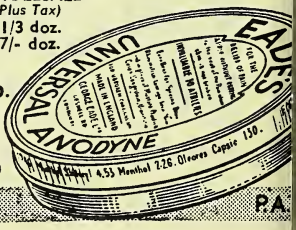

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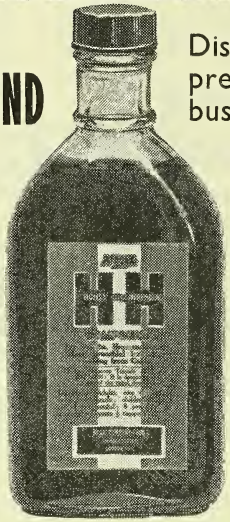

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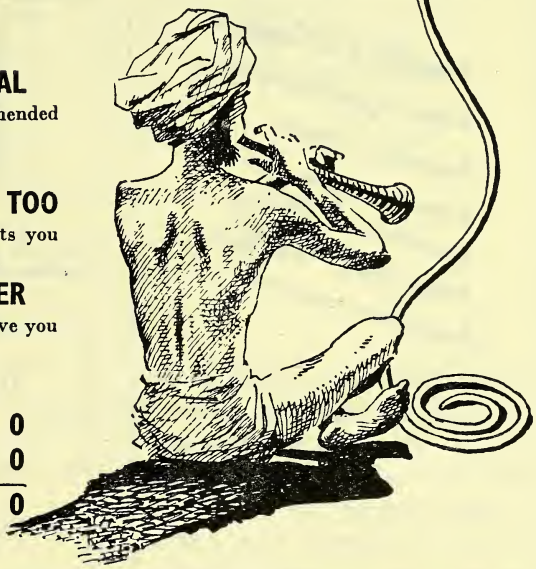

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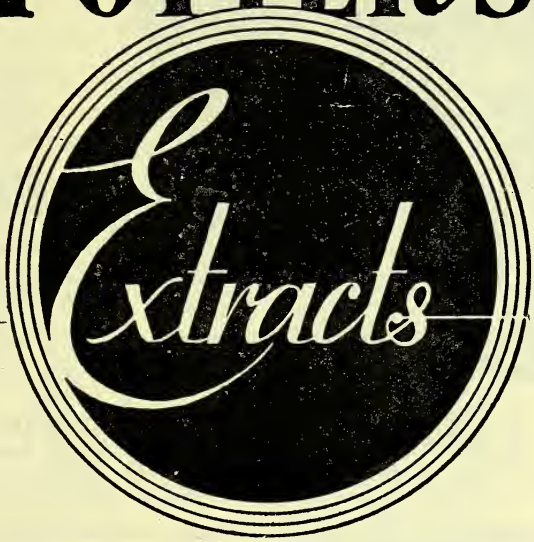

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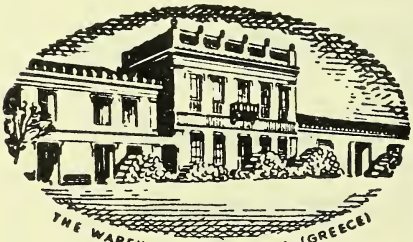

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NEWS OF THE WEEK

K.I.D. Exemption. — Tricyantriamide ıs been exempted from Key Industry ıty for the period November 18 to ecember 31.

Barley Sugar on Prescription. — An nendment by the Minister of Food to the hocolate, Sugar Confectionery and Cocoa roducts (Control and Maximum Prices) rder, 1944, effective from November 21, ermits registered pharmacists selling bar-y sugar ration-free against medical pres-iptions to add to the maximum retail ice any reasonable charges incurred in ıving to obtain small quantities by post.

Weights and Measures Committee.—A oard of Trade committee that is reviewing eights and measures legislation has asked number of interested trading, administra-ve and scientific organisations to submit eir views. Others who wish to submit presentations on any aspects of weights ıd measures legislation should write to the cretary of the committee, Board of Trade, illbank, London, S.W.1., for a copy of a ıestionnaire.

I.C.I. Extensions. — Lord McGowan (chairman, Imperial Chemical Industries, Ltd.), speaking at Northwich, Ches, on November 20, announced that extensions at an estimated cost of £13 millions were to be made to factories in the company's alkali division. The scheme, which should be completed by the end of 1953, would call for at least 3,000 extra employees. The extensions were part of an expansion programme involving an expenditure of £80 millions.

Patients on Doctors' Lists.—The Ministry of Health has initiated action to end the permission temporarily given to doctors to exceed the maximum number of patients prescribed under the National Health Service Regulations. Executive Councils are being asked to review as soon as possible the numbers on the lists of doctors in their area, with a view to seeing that the lists are brought within the prescribed maxima so soon as is reasonably practicable. As a preliminary step, it is recommended that any doctor with an excess list should be asked not to accept additional persons.

Dressings for Merchant Ships.—A second amendment to the Merchant Shipping Medical Scales, 1945, has recently been issued as a leaflet (H.M. Stationery Office, price one penny). The main effect of the amendment is to substitute for picric lint an approved burn and wound dressing comprising a base of open-mesh tulle impregnated with a paste containing sulphanilamide 3 per cent. and cetyl-trimethyl-ammonium bromide 1 per cent., with a suitable non-toxic agent for restraining the growth of moulds and bacteria.

A Doctor Prescribes for Himself.—The North Riding Executive Council recently considered how to deal with a doctor who was reported to have ordered, on prescriptions for himself, a tube of tooth-paste twelve yards of dental floss, and a bottle of proprietary health salts. The Clerk said that the Council could recover the cost from the doctor's remuneration after giving him an opportunity to submit his case to the local Medical Committee, or could refer the matter to that Committee in the first instance. The second course was adopted.

Scottish Research Subcommittee. — A new chemical subcommittee of the research committee of the Scottish Council (Development and Industry) has been formed to assist in obtaining new industrial applications in Scotland of chemical research, made practicable by scientific advances or by economic changes. The subcommittee is also to advise on needs for additional chemical research facilities in Scotland. A separate panel of persons particularly qualified to give assistance on specialised branches of chemical technology is being appointed. Mr. F. J. Bolton (J. F. Macfarlan & Co., Edinburgh) has been appointed *Secretary* of the subcommittee.

Retail Sales in September.—The value (including tax) of weekly sales of chemists' wares by large-scale retailers during September was, for Great Britain as a whole, 3.9 per cent above the figure for the same period in 1947. Areas showing increases in sales were: North-east, 5.4 per cent.; suburban London, 6.9 per cent; unallocated, 6.5 per cent. Decreases in sales were recorded for Scotland, 4.9 per cent; North-west, 17.6 per cent; Midlands and South Wales, 7.9 per cent; South of England, 2.2 per cent.; and London, central and West End, 29 per cent. Stocks generally were 7.7 per cent. (at cost) below September 1947. Sales of "independent-retailers" were 1 per cent. less than the figures recorded a year ago.

LOCAL NEWS

Visit to Southport Factory.—Members of the junior section of the Blackpool Branch of the Pharmaceutical Society recently visited the Southport works of Bolton Martin, Ltd.

Edinburgh Assistants' Association.—Mrs. J. M. Maxwell, Ph.C., 29 Ulster Crescent, Edinburgh, 8, has been appointed *Secretary* of the Edinburgh Chemists' Assistants' and Apprentices' Association.

West Sussex Appointments. — Mr. Trevor Cale, Horsham, has been appointed a pharmacist member of the West Sussex Executive Council. Mr. J. N. Last, Lancing, has been co-opted to the West Sussex Pharmaceutical Committee. Both vacancies have been caused by the resignation of Mr. H. R. Storm, Worthing.

Yorkshire Public Pharmacists. — At a meeting of the Yorkshire Branch of the Guild of Public Pharmacists held at Halifax on November 13, films on medical and surgical subjects were presented by Imperial Chemical (Pharmaceuticals), Ltd. Students of Bradford Technical College were guests of the branch at the meeting.

Margate Supper.—The Thanet Branch of the Pharmaceutical Society opened its winter session with a supper held at Margate recently. A Westminster clock was presented to Mr. D. Midgley to mark the occasion of his wedding and in recognition of his work, formerly as secretary and now as chairman, of the branch.

Exeter Lecture on B.P. — Speaking at a meeting of the Exeter Branch of the Pharmaceutical Society on November 19, Mr. W. Cooper, Ph.C. (principal, school of pharmacy, Merchant Venturers' Technical College, Bristol) discussed the British Pharmacopœia, 1948, prefacing his remarks with an account of the history of pharmacopœias. His audience included many of his former students.

Manchester Masonic Officers. — The following officers were elected at the annual meeting of the Manchester Pharmaceutical Masonic Association on November 3:—*Chairman,* Bro. S. G. Baker; *Vice-chairman,* Bro. G. L. Balf, *D.C.;* W. Bro. A. J. Fisher; *Treasurer,* W. Bro. A. Wilde; *Secretary,* Bro. A. E. Thorpe, 65 Stockport Road, Levenshulme, Manchester, 19; *Stewards,* Bros. W. E. Constantine, A. Davies and W. Lateward.

West London Hormones Lecture.—Speaking at a joint meeting of the Western

London] Pharmacists' Association and the National Association of Women Pharmacists on October 27, a lecture on the sex hormones was given by Miss J. Barnes, M.R.C.S., M.R.C.O.G. (obstetric unit, University College Hospital). Miss Barnes described the natural and synthetic hormones and discussed their clinical uses and methods of administration.

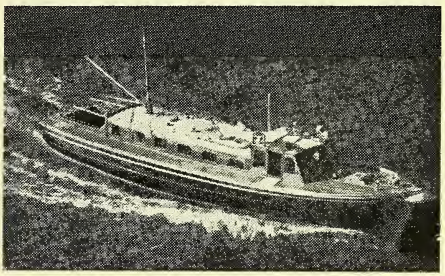
Dartford Film Show.—When the Wellcome Foundation, Ltd., film "Dextrotubocurarine Chloride" was shown at a meeting of the Dartford Branch of the Pharmaceutical Society on November 18, local members of the British Medical Association and Royal Institute of Chemistry were guests. Talks were given on *d*-tubocurarine: "Sources and Isolation," by Dr. T. Dewing; on "Standardisation and Analytical Control," by Dr. G. E. Foster; and on "Pharmacology," by Dr. F. Prescott.

N.H.S. Profit and Loss. — Giving his impressions of the National Health Service at a meeting of the Warwickshire Branch of the National Pharmaceutical Union held at Warwick on October 27, Mr. Donald Hudson (a member of the N.P.U. Executive) said that to the business with a large insurance practice the scheme would prove beneficial; to the mixed private and insurance dispensing business it would bring little change; to businesses that had previously done solely private dispensing, Mr. Hudson thought the service would bring a definite loss. Mr. J. Baikie was in the chair.

Pharmaceutical Committee's Dinner.—Members of the Hertfordshire Pharmaceutical Committee were guests of the chairman (Mr. D. W. E. Barker, Watford) at a dinner held in London on November 17, to mark his appointment as chairman of the new Committee. Mr. Barker had been connected with the original Committee (under the National Health Insurance Act) since its inception. During the evening he was presented by Mr. S. T. Millbank, Bishop's Stortford (first chairman of the original committee), on behalf of the members of the committee, with a wallet and a smoker's set.

Mansfield Dinner. At the annual dinner of the Mansfield Branch of the Pharmaceutical Society, on November 3, Mr. G. E. Treace (head of the pharmacy department, Nottingham University) proposed "The Pharmaceutical Society." He paid tribute to the Society's record in the sphere of education. Mr. F. C. Wilson (a member of the Council) said that Nottingham University, the youngest in the country, was contemplating the institution of a Master of Pharmacy degree, while London University had allocated £40,000 to £50,000 per year for the educational work of the Society. Mr. I. E. Pickard (chairman, Mansfield Hospital Management Committee) spoke of the importance of close co-operation between local branches of the Society, hospital management committees, and the health services of local authorities. Mr. R. P. Marchant (chairman, Nottingham and Notts Executive Council) said that, from his experience as chairman of the Pharmaceutical Committee for many years, he could vouch for the splendid service given by the pharmacists of that area.

Stoke Employees' Association. — Employee pharmacists in Stoke-on-Trent at a meeting held on November 3, formed the Stoke-on-Trent Employee Pharmacists' Association for "the promotion of the welfare, privileges and interests of all employee pharmacists in any branch of pharmacy" in the area. The Association is intended to keep employee representatives on the local Pharmaceutical Committee informed of the opinions of employee pharmacists. Mr. H. H. Morrell, Lyndale, Freemantle Road, Stoke-on-Trent, has been appointed *Secretary* of the association.



THAMES AMBULANCE.—Built for the Port of London Health Authority by John I. Thornycroft & Co., Ltd., Hampton-on-Thames, the "Alfred Roach" ambulance launch is designed for the reception and transport of cases of infectious disease to the Port of London Isolation Hospital at Denton, Gravesend, from vessels arriving at or lying in the Port. She will also be used for general inspection work by the medical officer of health in the lower reaches of the river. To handle stretcher cases a specially designed mast with derrick boom is fitted on the roof of the sick bay. It is operated by a hand winch, geared and incapable of over-running in the event of its being released by the operator. The sick bay is fitted with cupboard for medical stores.

IRISH NEWS

Dublin G.M.C. Representative. — The court of directors of the Apothecaries' Hall, Dublin, have elected Dr. John J. O'Donnell as their representative on the General Medical Council, London.

Minister Visits Eire Factory. — The new factory of Jeyes Sanitary Compounds Co. (Ireland), Ltd., at Finglas, co. Dublin (see *C. & D.*, November 6, p. 597), was visited on November 15 by Mr. D. Morrissey (Minister for Industry and Commerce). The minister was received by Mr. J. C. Oakes (managing director) and by his fellow directors, Messrs. R. G. Berchem (of the parent company in Great Britain) and C. E. McConnell, and Mrs. N. E. Lough, and by Mr. C. F. Power (sales director).

Dublin Film Show. — At a film show presented in Dublin on November 16 by Evans Medical Supplies (Ireland), Ltd., the programme included "Your Children's Sleep" and "Take Thou." Introductory talks were given by Mr. W. J. Merrick. Among those present were the president and registrar of the Pharmaceutical Society of Ireland (Messrs. P. A. Brady and J. G. Coleman), the president and secretary of the Irish Drug Association (Messrs. J. J. Roche and Brendan Smith), and the medical officer of health for Dublin.

Eire Students' Association. — At the annual meeting of Eire pharmaceutical students held recently in Dublin, Miss P. Fallon in the chair, an Irish Pharmaceutical Students' Association was formally set up and a new constitution adopted. The following members were elected to the Council: Messrs. A. Allshire, N. Scroope, J. O'Grady, F. Gannon and N. Crossen, and the Misses J. Madden, E. O'Callaghan, O. Nugent and J. McNulty. At its first meeting the Council elected the following officers: President, Mr. J. O'Grady; *Secretary,* Mr. A. Allshire; *Treasurer,* Mr. N. Scroope; *Assistant Secretary,* Miss J. Madden. The Association is aimed at providing opportunities for social intercourse, fostering interest in the scientific side of pharmacy, and maintaining a close relationship with the Council of the Pharmaceutical Society of Ireland. An annual conference of pharmacy students is to be held in Dublin. Messages from pharmaceutical student organisations in Great Britain, Sweden and Holland were read at the meeting. The annual subscription is 2s. 6d. for members and 5s. for associate members.

OVERSEAS NEWS

Assisted Research in S. Africa.—Th South African Council for Scientific ar Industrial Research has made availab facilities whereby a company or sma group of companies may, if it is prepar to guarantee the salary and working expe ses of a selected scientist, maintain in t Council's laboratories for several years research worker engaged upon the man facturers' problems. It is felt that t scheme will be welcomed by many indu tries and individual firms in the Union u able to afford the full scale of commitme of a research association.

German Aromatic Exports.—Followi the receipt of the first post-war deliver of essential oils to the Anglo-U.S. zor of Germany, export business has been sumed in aromatic chemicals and essenc The first shipments have already be made by firms at Holzminden, in the Br ish occupation area, to Holland, Switz land, Britain, Belgium and China. Bef the war, the industry exported no less th one-third of its total output. Concern felt about future export prospects, in vi of the expansion of production by forei firms in the past fifteen years.

European Recovery Purchases.—A of purchases licensed by the European C operation Administration under the Eu pean Recovery Programme between Ap 3 and September 30 includes the follo ing:—Bizonia from Austria, chemica $100,000; Bizonia from Greece, olive $2,460,000; France, from Bizonia, che cals, $14,000; Italy, from Norway, che cals, $865,000; Austria, from Switzerla chemicals, $236,000; Austria from United Kingdom, industrial chemica $72,000. Belgium is to supply chemic (value, $260,000) to Bizonia and Gree

New Zealand Import Licences—194 —New Zealand's Import Licence Plan 1949 provides for granting token licen for a number of imports from Britain, cluding the following: Malt extract, m extract with cod-liver oil, and similar p parations; soap, cleansing, all kinds, sc powder, etc.; spices, ground, includi pepper and pimento; starch; perfum spirits, including Cologne water; disinf tants; essences, culinary or flavourir glycerin, crude or refined; rennet; infar feeding bottles with or without atta ments; camera covers and cases; com hair and toilet (excluding fine to combs); toilet preparations and perfume

TOPICAL REFLECTIONS

harmacopœial Changes

The lectures by Mr. R. R. Bennett and rofessor H. Berry on the new British harmacopœia (pp. 665-67) include many nportant hints. Another useful contribu-on to the subject is Mr. H. A. Perkin's ble on p. 655. Mr. Bennett's chairman-ip of the British Pharmaceutical Confer-nce in 1928 and 1929 is not forgotten by hose who had the good fortune to be resent at either or both of those meetings; nd when he expresses the conviction that e B.P. leaves pharmacists ample scope r the practice of their art, we may be re that the statement is soundly based. ne point arising from his lucid survey is at official changes in preparations pre-ared, or preparable, in retail shops must e followed if owners of such businesses are remain on good terms with the Sale of ood and Drugs Act. Some of these hanges—for instance, the increased pro-ortion of potassium iodide in weak solu-on of iodine—are relatively small, but rm the kind of test readily available to ublic analysts. The direction that pills f iron carbonate should be freshly pre-ared is a potential source of trouble; one inclined to wonder whether separate andards for the dispensing department nd the retail counter will emerge. Pro-ssor Berry's valuable remarks on sterilisa-on will no doubt be carefully studied. very known possibility in the employment f a bactericide needs memorising; and e preparation of non-pyrogenic distilled ater cannot be too rigidly controlled. urchase of the book itself, rather than eliance on descriptive summaries, is a ound policy.

nother Council Committee

The decision of the Pharmaceutical ociety's Council to set up a new com-ittee, known as the Ethical Committee p. 671) will be received by most mem-ers of the Society, I believe, with a men-al question-mark. This committee will ave to "earn its keep"—in other words, justify its existence. The official con-ention is, presumably, that hitherto there as been no provision for "advice in re-ponse to requests . . . on ethical ques-ons," and that it was time this gap was lled. I am not aware of any widespread esire for this kind of advice; and I sub-it that much tact will be requisite if, in esponse to such requests as are indicated, the committee is to avoid a dictatorial attitude on the one hand and an anile anxiety on the other. Already the Council treats members of the Society to recurrent publication of its "Statement Upon Matters of Professional Conduct." The proposal should preferably have been discussed among the Society's branches before it was adopted, and if adopted, the committee should have been known by some such name as the External Relations Committee. Useful work may, in certain cases, be done by helping members to avoid collisions with the Statutory Committee of the Society; another direction in which guidance may be timely is in regularising relations between pharmacists and doctors.

Ancient and Modern

The contrast between Mr. C. Beaven's lecture on the action of drugs (p. 673) and the dictum of Dr. F. Khan (p. 674) must have struck everyone who has read last week's *C. & D.* attentively. Mr. Beaven's description of competitive antagonism among remedies reminds me that at the recent British Association meeting Sir Henry Dale put searching questions on the physiology of the human body—without, apparently, committing himself to definite answers. From these and similar pronouncements we learn that modern medicine is pursuing any line of inquiry likely to promise an advance in therapeutics. Dr. Khan's outlook is very different. The crushed pearls and other antiques attributed to his school may exist (or some of them may) only in a reporter's imagination; but the doctor claims that his medicines "have been working for centuries." In England the dawn, the establishment of science on an inductive foundation, came with the formation of the Royal Society in 1660-62. When commenting, on p. 265, on an article on Digby's powder of sympathy, I had not space to note the difference between Digby's method and that of the Society of which he became one of the earliest supporters. While professing to be free from all taint of magic, to be, in fact, scientific, Digby was in bondage to the deductive method, about to become obsolete in science. This is well shown by the fact that in his printed discourse only a few of the 152 pages are allotted to a description of the powder and its use, the bulk being taken up by an explanation of seven "principles."

Xrayser

BIRTH

THOMAS.—At Bellshill Hospital, Bellshill, Lanarks, on November 17, Jean (née Ritchie), the wife of James F. Thomas, Ph.C., 5 Beechwood Gardens, Mossend, Bellshill, of a son (George Wilson).

DEATHS

BUSBRIDGE.—On November 3. Mr. Harry Leonard Busbridge, M.P.S., 6 Aughton Street, Ormskirk, Lancs. Mr. Busbridge qualified in 1903.

CADBURY.—On November 21, Mr. Edward Cadbury, Westholme, Bournville, Birmingham, aged seventy-five. Mr. Cadbury was from 1932-43 chairman of Cadbury Bros., Ltd., Bournville. For many years he was in charge of the company's export and advertising departments. He was responsible for the setting up of a scientific costing and production planning system, and did much to improve the status of women in industry, both in the company's factories and generally. Mr. Cadbury was part-author of "Sweating" and "Women's Work and Wages."

CHRISTIE.—At 4 Buchanan Street, Largs, Ayrs, on November 14, Mr. James Christie, M.P.S., 50 Main Street, Largs. Mr. Christie qualified in 1900.

DOUGLAS. — Recently, Mr. Matthew James Douglas, M.P.S., 18 Percy Circus, London, W.C.1, aged fifty. Mr. Douglas was a director of Foster & Douglas, Ltd., chemists, 23 Skinner Street, London, E.C.1. Born in the Shetland Isles, he served in the 1914-18 war as a signaller in the Seaforth Highlanders. He settled in Finsbury after qualifying in Edinburgh in 1921.

EMELEUS.—At a St. Leonards nursing home, Mr. Karl Henry Emeleus, M.P.S., the Old Pharmacy, Battle, Sussex, aged seventy-nine.

FELL.—On October 16, Mr. Horace Arthur Fell, M.P.S., 20 Beltinge Road, Herne Bay, Kent. Mr. Fell qualified in 1926.

FIELDSEND.—On October 13, Mr. Arthur Fieldsend, M.P.S., 11 Market Street, Penistone, Yorks, aged eighty-three. Mr. Fieldsend, who qualified in 1887, was also registered under the Dentists Act, 1921.

FLINTOFF.—At St. Albans, Herts, on October 30, Mr. James W. Flintoff, father of Mr. H. H. Flintoff, M.P.S., aged seventy-five. Mr. J. W. Flintoff was formerly in business with his son in Blackburn.

FRYER.—On November 22, Sir John Fryer, K.B.E., F.R.S., secretary of the Agricultural Research Council, aged sixty-two Appointed in 1920 entomologist to the Ministry of Agriculture and director of the Ministry's laboratory of plant pathology a Harpenden, Sir (then Mr.) John Fryer dic much to improve and perfect the technique of pest control. He became the first sec retary to the Agricultural Improvemen Council, and in 1943 took over the secre taryship of the Agricultural Researcl Council. He was knighted in 1946 an elected a Fellow of the Royal Society i the present year. Sir John has served a president of the Royal Entomological Sc ciety and of the Association of Applie Biologists.

GILROY.—At Glengyle, 9 Viewfort Terrace, Tranent, East Lothian, on Novem ber 16, Mr. Michael Gilroy, M.P.S. M Gilroy qualified in 1911.

HARRIS.—Recently, Mr. William Be Harris (W. B. Harris, Ltd., wholesal chemists, Abington Works, Northampton aged eighty-two. Mr. Harris was founder-president to the local Chamber Trade.

HOWARD.—At his home, 18 Sherifo Lane, Four Oaks, Birmingham, on Noven ber 13, Mr. Robert Ernest Howard. F many years Mr. Howard represented Soutl all Brothers & Barclay, Ltd., in Birmin ham and district.

PHILIP.—On October 18, Mr. Dona Philip, M.P.S., 49 Milton Road, Londo W.7, aged fifty-eight.

SILVER.—At the Kettering General Ho pital, on November 18, after a lengthy i ness, Mr. Robert Dickson Silver, M.P.S Market Place and 312 London Roa Kettering, aged sixty-one. Mr. Silv went to Kettering from Newbury in 191 and in 1919 opened his first business Market Place. He was president and founder-member of the local Rotary Clu

WHITAKER.—Recently, Mr. Cedric Hu Whitaker, Woodlands, Kendal, Cumbe land, aged fifty-eight. Mr. Whitaker w managing director of Whitaker & C (Kendal), Ltd., dye and chemical man facturers, Kendal, and a former mayor the town.

WHITTLE.—On November 12, Mr. Jam Whittle, M.P.S., Lyndhurst, Fenwi Grove, Morpeth, Northumberland, ag eighty-one.

LEGAL REPORTS

Committed for Trial.—At Grimsby orough magistrates' court, on November 7, Einar H. T. H. Lennox, Grimsby, a and-worker, was committed for trial at ottingham Assizes for breaking and en-ring the shop of Mr. John N. Hayball, I.P.S., 265 Cleethorpe Road, Grimsby, on ovember 7, and stealing drugs and other ticles valued at £30. Lennox told the ench that he broke into the shop ocaine. He said he started to take drugs July and when he broke into the shop stole various other articles to make it ppear to be an ordinary robbery.

Infringement of Patent.—In the Chan-ery Division, London, on November 9, motion was made for John Tye & Son, td., Caledonian Road, London, N.7, for dgment against Capsules, Ltd., Newton Vorks, Stretford, Lancs, in a patent action at concerned a type of capsule used for e purpose of containing petrol. The arties had come to terms, and there would e an order restraining the defendants om infringing plaintiffs' letters patent o. 505,138 and directing the destruction articles in the possession of the defend-ts made in infringement of the letters tent. Defendants would also pay £400 reed damages and costs.

Remanded on Bail.—Alleged to have olen 500 gm. cocaine from his employ-s, The British Drug Houses, Ltd., London, .1, Alfred George Cutter, warehouseman, 3 Macclesfield Road, E.C.1, appeared on mand at North London magistrates' court n November 3. He was also charged under e Dangerous Drugs Act with being in lawful possession of the cocaine. Harry ohen, Shoreditch, was charged with re-iving and being in unauthorised posses-on of 136 gm. cocaine; his wife was arged with receiving and being in un-wful possession of 8 gm. Leslie Goldstein, eeplejack, London, E.1, was alleged to ave received and been in unlawful posses-on of 144 gm. cocaine. All the defendants ere allowed bail in sureties of £50 each.

Alleged Fictitious Prescriptions. — At Ianchester county magistrates' court, on ovember 18, Mrs. M. P. J. Plunkett (wife f Dr. M. D. Plunkett, Worsley Road, winton) was charged with obtaining sup-lies of Dangerous Drugs by using her hus-and's prescription forms and notepaper earing the names of fictitious patients. Dr. lunkett was charged jointly with his wife ut pleaded not guilty and was dismissed from the case. The prosecution alleged that a quantity of tincture of opium, 2½ oz. Nepenthe and 7½ gr. morphine had been supplied by chemists in the Swinton area on orders that apparently had come from the doctor. Mrs. Plunkett pleaded guilty and sentence on her was postponed until February 10. In evidence she admitted she had taken the drugs herself. The doc-tor knew nothing about it, and the respon-sibility was entirely hers.

Pharmacy Act Cases.—At Marylebone, London, magistrates court, on November 18, E. Lewis Evans, Ltd., 2 Osnaburgh Street, London, N.W.1, pleaded guilty to a charge of selling sulphathiazole by retail otherwise than under the super-vision of a registered pharmacist. A plea of guilty was also made to a second sum-mons for similarly selling Metatone. An inspector of the Pharmaceutical Society said that when he visited the pharmacy he found an elderly unqualified man in charge. Counsel defending said the busi-ness had been carried on for forty years. Mr. Lewis, a qualified chemist, was nor-mally responsible, but he was taking a holi-day under the advice of his doctor. The elderly man in charge of the shop, although not qualified, had been fifty years in business and was fully cognisant of all the drugs. The firm had a blameless record. The magistrate said that, had a qualified chemist been present, everything would have been in perfect order. The man who sold the medicines was quite capable of doing so. He dismissed both summonses under the Probation of Offen-ders Act on payment of £3 3s. costs on the first summons. At London, magis-trates' court, Marylebone, on November 18, Cyril Harold Hartley, 55 Hampstead Road, London, N.W.1, was summoned for selling by retail Eade's pills, though not an authorised seller of poisons, and for selling the pills in a container not labelled in the prescribed manner. An agent of the Society was served at the shop with a packet of rheumatic and gout pills con-taining colchicine, which could only be sold under the supervision of a qualified chemist. The agent was told that there was no qualified chemist on the premises. Defendant came forward and explained that he did not know that the pills con-tained a poison. The magistrate fined the defendant £5, with £3 3s. costs, on the first summons. The other charge was not separately dealt with.

COMPANY NEWS

Dan Clare, Ltd. (P.C.).—Capital £2,000. To carry on the business of chemists, etc. Dan Clare, M.P.S., and Harry Robinson, directors. R.O.: 17 High Street, Godalming.

R. J. Fair, Ltd. (P.C.).—Capital £100. To carry on the business of wholesale or retail chemists and druggists, etc. Robert J. Fair, M.P.S., director. R.O.: 334 Langsett Road, Sheffield, 6.

R. D. Silver, Ltd. (P.C.).—Capital £2,000. To carry on the business of retail and wholesale chemists, druggists, etc. Stanley K. Harris, M.P.S., director. R.O.: 15 Market Place, Kettering.

Carneol, Ltd. (P.C.).—Capital £100. To carry on the business of manufacturing wholesale and retail chemists, druggists, etc. Georgette Gordon, director. Solicitors: Holt, Beever & Kinsey, 1 Southampton Place, London, W.C.1.

Margaret Cowley (Ireland), Ltd. (P.C.).—Registered in Dublin. Capital £5,000. To carry on the business of chemists, druggists, etc. First directors are not named. Subscribers' address: 48 Sundrive Road, Kimmage, Dublin.

Jakefa (London), Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, etc. Frances Elizabeth de Wijs and Manfred Meyer, directors. R.O.: 36 Southampton Street, London, W.C.2.

Ingram Drug Co., Ltd. (P.C.).—Registered in Edinburgh. Capital £1,000. To carry on the business of pharmaceutical chemists and druggists, etc. First directors are not named. R.O.: 383 Cumberland Street, Glasgow, C.5.

Livewell's Surgical Stores, Ltd. (P.C.).—Capital £1,000. To carry on the business of wholesale and retail chemists and druggists, etc. Shulman B. S. Livesey and John A. Wells, directors. R.O.: 236 Southwark Park Road, London, S.E.16.

Norton Decourcelles & Co., Ltd. (P.C.).—Capital £100. To carry on the business of manufacturing and dispensing chemists and druggists, etc. First directors are to be appointed. R.O.: Cliffords Inn, Fleet Street, London, E.C.4.

A. R. Parker, Ltd. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, chemists' sundriesmen, etc. Ashton B. Smith and Alan R. Parker, M.P.S., directors. R.O.: 24 Corridor Chambers, Market Place, Leicester.

D. H. Roberts (Chemists), Ltd. (P.C.).—Capital £5,000. To carry on the business of wholesale and retail chemists and druggists, chemical engineers, etc. Robert Gaunt, M.P.S., director. R.O.: Heygate Street, Walworth, London, S.E.17.

Ilma Manufacturing Co., Ltd. (P.C.).—Capital £500. To carry on the business of manufacturers of and dealers in pharmaceutical and chemical preparations, etc. First directors are to be appointed. Ilia Dolski, secretary, 191 Southport Road, Liverpool.

Tuxan, Ltd. (P.C.).—Capital £1,000. To carry on the business of distributors and manufacturers of polishes, toilet requisites and preparations, etc. Bertram Franco and Peter S. Shaw, directors. R.O.: 20 Story Street, Caledonian Road, London, N.1.

Brent Chemical Products, Ltd. (P.C.).—Capital £500. To carry on the business of manufacturers of and dealers in chemicals, drugs, disinfectants, etc. Fred Dyson and George A. Todd, directors. R.O.: 10 Copthall Avenue, London, E.C.2.

Hutchinsons (Chemists), Ltd. (P.C.).—Capital £4,000. To acquire the business of chemists and druggists carried on by Rowells (Chemists), Ltd., at 6 Market Place, Whittlesey, Cambs. John M. Ailsby, M.P.S., Eva Ailsby, George F. Hutchinson, M.P.S., and D'Arcy A. Bray, M.P.S., directors.

Chas. H. Windschuegl, Ltd.—Messrs. J. R. Cockton, H. J. L. Osbourn and A. W. Schiff have been appointed directors.

Griffiths Hughes Proprietaries, Ltd.—The interim dividend has been maintained at 2½ per cent.

Glaxo Laboratories, Ltd. — The following abstracts are taken from a review by the chairman, Sir Harry Jephcott, attached to the report of the directors and statement of accounts for the nine months ended June 30 (*C. & D.*, November 13, p. 626). "The replacement of obsolete plant and buildings places, at today's prices, a heavy burden upon industry. The initial tax allowances which the Income Tax Act, 1945, provides are a very welcome contribution to the cost but, having regard to the level of taxation imposed upon company profits, these allowances do not go nearly far enough. To extend them to the second and even the third years, on possibly a modified basis, would greatly ease the burden without introducing any new principle" . . . . . "The work of our research laboratories continues to expand, and it has been a source of particular gratification to us that after many years of strenuous work we have succeeded in isolating from liver the anti-pernicious anæmia factor in pure crystalline form. The difficulty of the problem will be realised if it is appreciated that, from one ton of liver, there can be extracted but a few grains of this substance—less than would cover a threepenny piece" . . . . . "I am sure that you will learn with pride that we are now producing sufficient streptomycin to meet this country's present needs; we hope in the months to come greatly to increase our output."

BUSINESS CHANGES

Biddle, Sawyer & Co., Ltd., have appointed Mr. A. Appleton to their staff.

Anzora Perfumery Co., Ltd., are now at 2 Baker Street, London, W.1.

T. H. Ford, Ltd., have removed to 136 Borough High Street, London, S.E.1 (Telephone: Hop 2112).

Kimpton Brothers, Ltd., gum and wax merchants, 110 Fenchurch Street, London, E.C.3, have appointed Mr. Robert Petty manager of their waxes, chemicals, oils, celluloid scrap and kieselguhr department.

The Minister of National Insurance has appointed Sir Henry D. Hancock, K.B.E., C.M.G., to be permanent secretary to the Ministry of National Insurance in succession to Sir Thomas Phillips (who is retiring on December 31). Sir Geoffrey King, K.B.E., C.B., M.C., is to be deputy secretary.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE MINISTER OF TRANSPORT (Mr. Alfred Barnes) told MR. W. MCADAM on November 15 that he expected in the near future to announce the setting-up of the Central Transport Consultative Committee and the names of the chairmen of the committees for Scotland and Wales.

Linseed Estimates

MR. GEORGE BROWN (Parliamentary Secretary to the Ministry of Agriculture) told MR. JOHN MORRISON on November 15 that the acreage of linseed sown in England for harvesting in 1948 was provisionally estimated to have been 84,294 acres, with a further 1,209 acres in Wales. The average yield per acre was estimated at 9.7 cwt.

Sugar for Tuberculous Patients

SIR WALDRON SMITHERS asked the Minister of Food on November 16 whether, in allocating sugar stocks, he would consider increasing the sugar ration for persons suffering or recovering from tuberculosis. MR. JOHN STRACHEY replied that rations for patients suffering from active tuberculosis had recently been fully reviewed. As a result, such patients were now allowed, each week, fourteen pints of milk and three priority eggs, as well as additions to the fats and bacon rations. Ample supplies of carbohydrates were available off the ration, and his medical advisers saw no necessity for increasing the supply still further by making a special allowance of sugar.

Soft Drinks Supplies

SIR IAN FRASER asked the Minister of Food on November 17 what increase there had been in the supplies of soft drinks since the industry had been freed from control. "About 25 per cent.", replied MR. STRACHEY. When he was further asked to consider the "economic and gastronomic" advantages of taking off other controls, he said that the increased supply had something to do with the fact that extra sugar had been allocated to the industry. He informed MR. ANTHONY GREENWOOD that there had been no marked increase in price since control had been removed. According to his information there had been a spread in prices. The cheaper varieties had decreased and the dearer varieties increased. The Minister informed LIEUTENANT-COMMANDER BRAITHWAITE on November 12 that no increased allocation of sugar could be made to the industry.

Trials of B.C.G. Vaccine

MR. W. N. WARBEY asked the Minister of Health on November 18 what arrangements were being made for a trial use of B.C.G. vaccine in this country, with a view to better protection of nurses, doctors and others exposed to the risks of tubercular infection.

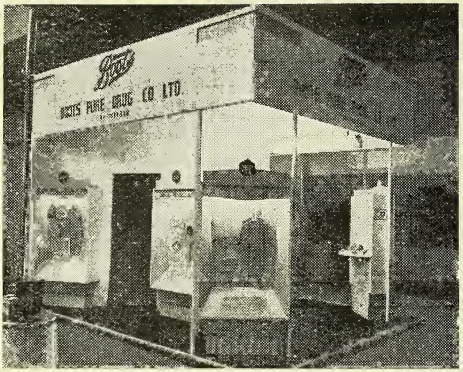
MR. ANEURIN BEVAN: Arrangements are nearing completion, but I am not yet in a position to make any useful statement.

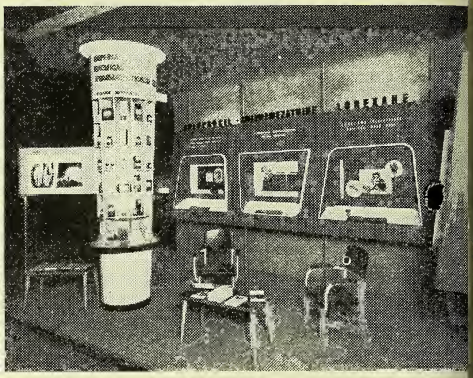
Weights and Measures

MRS. L. A. MIDDLETON asked the President of the Board of Trade on November 18 to state when the committee of investigation into weights and measures administration and legislation would be set up. MR. HAROLD WILSON replied that the committee had already held its first meeting. He gave the names of the members of the committee in four groups (those engaged in commerce, those representing the consuming public, those with technical experience in weights and measures, and those with experience in administrating the existing law). The terms of reference of the committee were "to review the existing weights and measures legislation and other legislation containing provisions affecting weights and measures and the administration thereof, and to make recommendations for bringing these into line with present-day requirements."

Rubber Stocks and Prices

MR. WALTER FLETCHER asked the President of the Board of Trade on November 18 whether he was satisfied that the safeguards against the sale of strategic stocks of rubber in the United States to American manufacturers would be sufficient to prevent pressure against the dollar-earning power of the rubber-producing industry in Malaya and elsewhere. MR. HAROLD WILSON said he was not aware of any recent sales from United States strategic stocks except for replacement of deteriorating material. An estimated loss of £750,000 was involved by the sale of rubber to the United States under the terms of the European Recovery Programme agreement from stocks in Britain.





TRADE NOTES

Cachet Machines.—Thos. Christy & Co., Ltd., Farnham, Surrey, are again able to supply cachet machines.

Calendar for Distribution. — Southon Laboratories, Ltd., 88 Upper Richmond Road, London, S.W.15, manufacturers of Esobactulin "protection against Colds," announce that supplies of a pocket calendar, as illustrated, are available for free distribution.

Price Reduced. — Jeyes' Laboratories, Ltd., Richmond Street, Plaistow, London, E.13, announce that new reduced retail and wholesale prices for Streph come into operation on November 29.

In Better Supply.—Thompson & Capper Wholesale, Ltd., Speke Hall Road, Liverpool, 19, state that orders for saccharin tablets, bulk or packed, at standard prices, can now be freely accepted.

Now Coupon-free.—An announcement on another page by Dols' Volatalise Flannel, Ltd., Fitzwilliam Street, Huddersfield, gives details of a number of Dols' items that are now free of clothing coupons.

Available for Home Buyers.—Robert Shaw & Co., Ltd., Nottingham, announce that three new envelope packs for their Uneeda hair net are now available for the home trade, packed in display outers and in assorted colours if required.

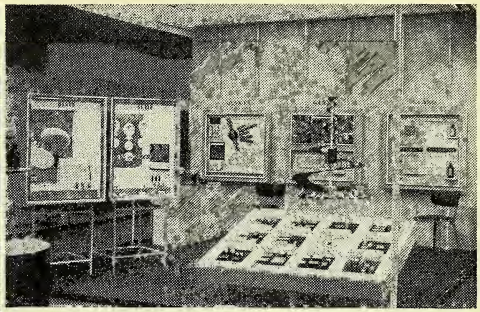
New Pack.—To meet trends in hospital and general practice towards larger routine doses of penicillin, the Distillers Co. (Biologicals), Ltd., Fleming Road, Speke, Liverpool, 19, have changed the pack of their penicillin to a container of approximately 7-mil capacity.

Oily Hair Lotion.—Silvikrin hair tonic lotion with oil, recently introduced by the manufacturers, is obtainable from the distributors, Scott & Bowne, Ltd., Winchester House, Old Broad Street, London, E.C.2.

Quick-action Hair-waver.—Ashe Laboratories, Ltd., 120 Victoria Street, London, S.W.1, draw attention to their newly introduced Bandbox quick-action cold permanent-waving kit, prices of which are given on another page.

Antihistamine Elixir.—For very young children and for patients who find it difficult or impossible to swallow tablets, May & Baker, Ltd., Dagenham, have introduced Anthisan elixir, a pleasantly flavoured syrupy preparation containing 0.025 gm. of active material in each teaspoonful.

Popular-priced Perfume.—A first venture in marketing a perfume is being undertaken by Munro Vitarex, Ltd., 6 St. Faith's Road, London, S.E.21, in Heaven Scent, which is described as "a subtle combination of the popular French-type modern fragrances with the sweet, long-lasting, historical Eastern-type aromas." The perfume, which is available at a popular price, is being advertised in the personal columns of the "Daily Mirror" and "Daily Telegraph."



AT THE LONDON MEDICAL EXHIBITION.—Stands of Boots Pure Drug Co., Ltd., Imperial Chemical (Pharmaceuticals), Ltd., Bayer Products, Ltd., and Glaxo Laboratories, Ltd.

Novel Hair Competition.—To introduce to Birmingham Spic colour tone rinse (now being marketed throughout the country) a "Search for the Girl with Perfect Hair" is being carried out. Commencing on November 20, the competition will run for three months. Spic rinse is manufactured by R. Demuth, Ltd., Mavins Court, Farnham, Surrey.

Chemicals and Raw Materials.—The wide range of commodities dealt in by J. W. Berk & Co., Ltd., Commonwealth House, New Oxford Street, London, W.C.1, is outlined in a 16-page booklet available from the company. The departments include acids and sulphates, drugs and botanicals, mercurials, horticultural and agricultural products, and clays.

Soap Tray for the Bath.—A rubber soap tray that adheres by suction to the rim of the bath is issued under the name Staput, by W. W. Haffenden, Ltd., Richborough Rubber Works, Sandwich, Kent. Trade terms may be had on application to the makers.

A Historic Medical Diary.—Among the diaries and papers associated with Captain Scott's expedition to the Antarctic, now on view in the rare manuscripts room at the British Museum, London, is the 1910 Wellcome medical diary carried throughout his journey by Dr. E. A. Wilson (medical officer to the party). The diary was found in the tent where the South Polar explorers met their end.

Preparation for Chilblains.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced a new preparation for the treatment of chilblains, the Allenburys chilblain stick, as illustrated. The stick has been specially formulated and may be applied to either broken or unbroken chilblains. Its aluminium container is easily carried in handbag or vest pocket. The display outer contains one doz. sticks. Messrs. Allen & Hanburys also announce a reduction in the price of their penicillin chewing gum.

INQUESTS

Patient's Access to Poison.—At an inquest at Walthamstow, London, recently, on a forty-seven-year-old patient at a Leytonstone hospital, evidence was given that he had obtained disinfectant from a cupboard, the key of which had been left in a drawer instead of on the person of a nurse. A suicide verdict was recorded.

Pathologist's Warning.—At a Birmingham inquest, recently, a Home Office pathologist warned asthma sufferers against taking two remedies at the same time without medical advice. The inquest was on a man who had taken a proprietary medicine as well as adrenaline prescribed by his doctor. A verdict of death by misadventure was recorded.

Operating Theatre Explosion.—At an inquest at Southend-on-Sea recently, on a sixty-five-year-old man who died at Southend Hospital following the explosion of an anæsthetic machine while he was undergoing an operation at the hospital, a verdict of misadventure was returned. A doctor stated that death was due to massive collapse of the lungs due to pulmonary shock as a consequence of the explosion. A report by the British Oxygen Co., Ltd., makers of the anæsthetic machine, stated that when the machine was reconstructed a leak was found between the breathing bag and the bag joint. The resident anæsthetist at the hospital said that there was no leak before the explosion, and suggested that the ignition which caused the explosion was due to a spark of static electricity from an unknown source.

Sensitivity to Drugs.—At three inquests recently the cause of death was given as over-sensitivity to a drug that had been administered. Hypersensitivity to procaine had caused the death of a thirty-one-year-old woman who had undergone an operation for the removal of cysts at Watford Peace Memorial Hospital, while an idiosyncrasy to curare had caused the death of a sixty-one-year-old man of Longsight, Manchester, who had been suffering from paraplegia and had received injections of a curare preparation. A verdict of death by misadventure was recorded in each case. The third death, that of a twenty-two-year-old colliery clerk, on whom an inquest was held at Durham, was stated by a pathologist to have been caused by an abnormal reaction to phenobarbitone due to a congenital condition. A verdict in accordance with medical evidence was returned.

PERSONALITIES

Mr. E. B. Dunn, 22 Sandy Park Road, Bristol, 4, has written to Mr. Mallinson (secretary, National Pharmaceutical Union) expressing dismay at the Union's exhortation to chemist contractors to be patient.

Mr. Charles Crichton Stevens, LL.B.(Lond.), M.P.S., F.N.A.O., 112 Clapton Mount, Halifax (Glaxo Laboratories Ltd., Greenford, Middlesex), has been called to the Bar by the Honourable Society of Lincoln's Inn.

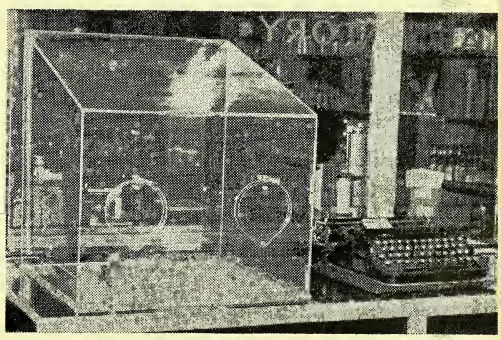
Mr. H. B. Powell, F.R.I.C., M.P.S. (chief analyst, Boots Pure Drug Co., Ltd., Nottingham) who gave the fourth of a series of lectures on the British Pharmacopœia, 1948, arranged by the Pharmaceutical Society (see p. 703) has been engaged for many years on problems of analytical standardisation, both for the Pharmacopœia Commission and for the British Pharmaceutical Codex Revision Committee. He served on pharmacopœial subcommittees dealing with inorganic chemicals, the assay of crude drugs and galenicals, and synthetic chemicals, as well as on B.P.C., 1934, subcommittees on pharmaceutical chemistry and dressings. In 1940 Mr. Powell was awarded the Harrison Memorial medal in recognition of his work in pharmaceutical chemistry.

Mr. D. W. E. Barker, M.P.S., to whom a presentation was made (see p. 687) by colleagues on the Hertfordshire Pharmaceutical Committee, was connected with National Health Insurance administration from start to finish (his interest in the subject was, indeed, aroused by the late Mr. W. J. U. Woolcock). Mr. Barker, who settled in Watford, where he and his father had purchased a business thirty-nine years ago, was elected secretary of the local pharmaceutical association at its formation, and in 1911 became secretary of the Herts Pharmaceutical Committee. After holding that position for twenty-five years he was compelled by ill-health to resign. He received a presentation from his colleagues at the time. Upon the retirement of the former chairman of the Committee (Mr. S. T. Millbank, Bishop's Stortford), who was able to be present at Mr. Barker's recent dinner, Mr. Barker succeeded to the chairmanship, and in July 1948 was unanimously elected chairman of the new Pharmaceutical Committee under the National Health Service Act. Mr. Barker is in business as E. M. & M. T. Chater, Watford and Croxley Green. His two brothers and two sons are doctors.

A DISPENSARY WITH NOTHING TO HIDE

WHEN he designed the dispensary for Ashtons (Chemists), Ltd., Upminster, Mr. Robert Gaunt, M.P.S., planned on the principle that nothing should be hidden from the public. A plate-glass screen alone separates it from the shop. The use of modern materials—opal plastic for the walls, black plastic for the benches, stainless steel for the sink—makes the dispensary an easy place to keep scrupulously clean. Ledges that would catch dust have been eliminated wherever possible. The most suitable height and depth for the benches, which are recessed at the base for extra toe-room, has been worked out by practical experiment. Dispensary pounds are all placed within easy reach on adjustable glass shelves, and valuable space is not wasted on drugs and galenicals that are seldom called for. Containers for ointments, tablets, solutions, are standardised.

Most pharmacists have their theories about the perfect dispensary. Mr. Gaunt is luckier than most in having had an opportunity of putting his theories into practice.



TOP OF PAGE: The customer's view from the shop. CENTRE, RIGHT: The pharmacist's view. Under the plastic screen are made penicillin creams, etc. (but not injections—the shop has no T.S.A. licence). BOTTOM RIGHT: The sink is of stainless steel, the walls are of opal plastic, the bench surfaces of black plastic. Stock containers are standardised.

THE CINEMA IN EDUCATION

By P. J. White, M.P.S., F.S.M.C.

THERE is no longer need to emphasise the value of films as an aid to teaching—the medium is universally accepted among teachers in schools, universities, factories and camps. If the cinematograph is to be used to the best advantage, however, two facts must be borne in mind. First, films are an adjunct to teaching and not a substitute for established methods. Secondly, the special advantages films have over other types of visual aids should be recognised and used.

Movement the Key

The most important thing about the cinema is that it moves—a property so patent that it is sometimes overlooked. There is no point in using a film to show bales of drugs standing in a warehouse; but a film on the collection, sorting, packing and shipping of the commodities could be excellent. The cinema is the ideal medium in which to demonstrate machinery—both how it works and how to look after it. Many operations that used to depend on the manual dexterity of the pharmacist but which are now carried out by machines can be demonstrated in films. The film moves in time as well as in space. Action may be accelerated or slowed down at will. The best-known example is the "speeding-up" of natural development, so that frog-spawn develops into tadpole, and tadpole into frog within a few minutes. The hyacinth, whose movements were once laboriously measured with bent pins and pieces of cotton, waves and bends on the screen like a living animal. The technique is known as time-lapse photography. A single picture taken every six hours, day and night, shows in one minute an action that takes a year to complete. At the other end of the scale the slow-motion camera enables viewers to see, easily and clearly, movement too rapid for the eye to follow.

No time need be wasted on the screen in waiting for things to happen. In a film on lens-making, for example, the grinding process takes only a fraction of the normal time; dressings and instruments are put into the autoclave and, in a second, taken out completely sterilised. The elimination of unwanted time is valuable in enabling comparisons to be made. A picture of apple blossom taken in the spring may dissolve into the bare boughs of winter. In a film on beauty culture a cut can be made from a girl wearing day-time make up to the same girl wearing a differen make-up with her evening clothes. Dis tance is no object. Raw materials ar seen being gathered from all over the worl and brought to the factory for processing Within the factory itself the relationshi of the various departments is clearly shown The film makes the flow-chart come to life

Advantages Over Demonstrations

In some instances the film is superio even to an actual demonstration. Experi ments that are too dangerous, or too ex pensive to stage, or so specialised as to b beyond the skill of the demonstrator, ar obvious examples. Where the best view point of a demonstration may change fre quently, or may only be that of the perso performing the demonstration, the cinem puts every student "in the front row." Whatever the size of the subject—an aeria view of a town or a newly fertilised frog' egg—it can be brought within the dimen sions of the screen and its developmen watched. Diagrams that move in colou can convey abstract ideas, such as th movement of atoms, can give statistica information in the form of easily under stood graphs and symbols, can simplify a subject by stylised drawings of machines or clarify it with anatomical drawings electric circuits and cross-sections of mov ing machinery.

The latest developments in photographic technique, using *x*-rays; cine-photomicrography (including the phase-contrast and ultra-violet microscope); slow-motion and time-lapse enable the scientific film producer to give invaluable help to the teacher. Throughout, it remains important to remember that films are visual aids; their effectiveness depends always on the skill of the teacher using them.

Simple rules of health, the elements of personal hygiene, the care of the hair, teeth, eyes and feet are not only of benefit to the assistant as an individual but impart knowledge that can be passed on to the customer. A film on the care of babies, shown to the junior members of a pharmacist's staff, would return a handsome dividend in service to the public

In the factory, films have been used to good effect in teaching accident prevention, for showing the most efficient ways of handling and storing stock, and instructing the

orker in the care and use of his machine.

Colleges and technical institutes are glad o show films that demonstrate the principles of the subject studied; they also use lms of a more general character that link p the academic teaching with its industrial nd commercial application. By co-operating with teachers, a manufacturer can arrange for the special material they require to be "shot" at the same time as the commercial aspects, and thus make possible the production of genuine teaching films. He will reap the benefit as new entrants come into the industry.

BELFAST QUESTIONS ON DRUG ACTION

A LECTURE on "Modern Conceptions of Drug Action" (see *C. & D.*, November 20, . 673) given by Mr. C. BEAVEN, Ph.C., .R.I.C. (Parke, Davis & Co.) at a meeting of the Pharmaceutical Society of Northern Ireland in Belfast on November o was followed by numerous questions to he speaker, who was introduced by Mr. I. Cowzer (vice-president).

You stated that natural lævo-*adrenaline many times more active physiologically han the synthetic* dextro *isomer. Why hen are both compounds official in the .P.?*

The Pharmacopœia does not accept synhetic *dextro*-adrenaline. *Lævo*-adrenaline nly is official, either as the natural hormone or prepared synthetically. Synthetic ethods produce *d.-l*-adrenaline which can e resolved into the dextro and lævo isomers.

ction of the Sulphonamides

The antibacterial action of sulphanilamide has been explained as depending on s competition with chemically similar p-*minobenzoic acid, which is an essential etabolite for certain micro-organisms. Do he other sulphonamides act similarly?*

Yes. At least the well-known sulphonamides (including sulphapyridine, sulphathiazole and sulphadiazine) do. Marfanil, sed in the German army during the 939-45 war, is apparently an exception.

Why is sodium diphenyl hydantoinate onsidered superior to phenobarbitone in he treatment of epilepsy?

The chief value of the compound in epilpsy is due to its anticonvulsant effect being combined with a relatively feeble hypnotic action. In this it differs from phenobarbitone which, because of its pronounced ypnotic action, tends to make the patient dull and drowsy.

On what principle does the local action f Benadryl (β-dimethylaminoethyl benzhydryl ether hydrochloride) depend. You ave suggested that, in the allergic patient, he compound competes with histamine for the same receptors on the cell; f this is so is there only a 50 *per cent. chance that it reaches the receptor before histamine?*

In allergic conditions of the skin the release of histamine causes dilatation of the capillaries and increases their permeability. This accounts for the characteristic erythema and tissue œdema invariably associated with those conditions. Moreover, stimulation by histamine of nerve endings in the skin causes pain and pruritus. Local application of an anti-histamine drug assists in relieving the symptoms by preventing the actions of histamine. The action of the antihistaminic compound must be considered quantitative. By appropriate dosage a sufficient level is built up in the patient's blood to enable the drug to combine with all the receptors and so prevent them from taking up histamine. This view of the action of antihistaminics is purely hypothetical, but it helps in appreciating the effects of these drugs.

If certain chemotherapeutic agents achieve their actions by antagonism, is this done by blocking antibody production?

No. They achieve their effects by interfering with the synthesis or utilisation of certain "building blocks" or metabolites which are essential to the life of bacteria and other micro-organisms.

A vote of thanks was proposed to the speaker by MR. C. W. YOUNG, Ph.C. (senior lecturer in pharmacognosy, College of Technology, Belfast), and seconded by MR. P. R. W. SHINNER, M.P.S.N.I. (vice-president of the Society).

Bacteriologically Safe Drink.—Although the practitioner may come to the conclusion that beer is little more than well-taxed water, he will admit that from the bacteriological point of view it is one of the safest of drinks; the method of manufacture, the *pH* of approximately 4.2, the two antiseptics, alcohol and the hop resins, all go to make it a bad medium for pathogenic bacteria. It is not like that dangerous drink, milk, which is considered immaculate if it has only five million spots to 1 c.c.m. — A correspondent in the "Practitioner."

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OL. CL NOVEMBER 27, 1948 No. 3588

Competition from Ex-employees

'HE relationship between employer and mployee involves an obligation upon the mployee's part to show good faith towards is employer, and this raises two questions f importance. First, to what extent may an mployee work in his spare time for a rival mployer. Secondly, to what extent may e set up in competition with his former mployer upon the termination of his emloyment?

The courts look with suspicion upon ttempts to curtail the rights of an individual to spend his leisure in whatever manner he pleases. On the other hand, they nay themselves restrain an employee, in ertain circumstances, from working in his pare time for a rival employer. In any conideration of the circumstances, the nature of the employment is material. A distinction has to be drawn between employments hat call for no special skill (such as the work of a cleaner) and others in which the exercise of skill is essential. Only in the atter class are employees debarred from working in their spare time for rival businesses, because in doing so they would be committing a breach of their duty to act in good faith towards their employers.

In the second question—that of competition with an ex-employer—the law again looks with disfavour on attempts to restrict a person from using his labour as he wills—for instance, in setting up in business on his own account. There are exceptional circumstances, however, in which restraints are recognised as valid and enforced by the courts. Certain tests are laid down in law for determining whether or not a restraint is valid. In the first place, the employee must receive some consideration for having the restraint imposed upon him. Secondly, the restraint must not be against the public interest; thirdly, it must be reasonable in extent, and reasonable, moreover, from both the employer's and employee's points of view. Usually the first test (as to consideration) is satisfied by the mere fact that the employee is taken into the service of his employer. The second test is also satisfied, as a general rule, by normal conditions of employment, for it is only in cases in which the nature of the employment itself affects the public that any question of public policy arises. As to the third test, the following principle has been laid down by the courts:

> "For a restraint to be reasonable in the interest of the parties, it must afford no more than adequate protection to the party in whose favour it is imposed. So conceived, the test appears to be valid as regards both the employer and the employee. For though, in one sense, no doubt, it is contrary to the interest of the covenanter to subject himself to any restraints, still it may be for his advantage to be able to subject himself in cases where, if he would not do so, he would lose other advantages, such as the possibility of obtaining employment or training under competent employers. As long as the restraint to which he subjects himself is no wider than is required for the adequate protection of the person in whose favour it is created, it is in his interests to be able to bind himself for the sake of the indirect advantage he may obtain by so doing."

Solicitation of Customers

Let us now consider the extent to which an employee may solicit an ex-employer's customers. Nothing in law forbids an employee from being as attentive and ingratiating to his employer's customers as he can, even though his conduct may be prompted by the hope that those persons may some day—when he sets up in business on his own account—voluntarily become his own customers. While, however, his contract of employment continues, the employee must not—in any circumstances—solicit his employer's customers. Once the employment has terminated, he may (subject of course to any provisions to the contrary that may be contained in his service agreement or any other contract with his former employer), carry out a canvass of the customers of that employer, even though they may have been customers while

he himself was in that employment. Nevertheless, while he enjoys this right of solicitation, the employee is not entitled, during his employment, to compile lists of names of customers of his employer. If he has any such list, compiled while he was in employment, he may be restrained by the courts from making use of it, and may further be ordered to surrender the list. Nothing in law prevents him, when the employment has come to an end, from preparing from memory a list of his former employer's customers, or from soliciting them (again subject to the proviso that there was nothing in his service agreement to preclude him from so doing).

Exports in October

THE aggregate of United Kingdom exports of all kinds of merchandise in October was £140.1 millions, £9.1 millions more than in September and the second highest figure yet recorded, being exceeded only by the figure of £145.6 millions for last July. As October, like September, had twenty-six working days, the daily rate of exports rose by 7 per cent. to the same record level as in July (with twenty-seven working days). Allowing for the rise in prices since 1938 the volume of exports in October is estimated provisionally at 142 per cent. of the 1938 average, compared with 138 per cent. in the third quarter and 149 per cent. in July. When allowance is made for the varying number of working days, the daily rate of export by volume in October is estimated to be about 1 per cent. lower than that in July. Re-exports rose by £0.1 millions to £5.4 millions. The excess of imports (valued c.i.f.) over exports (valued f.o.b.) was £29.0 millions, £4.1 millions less than in September, and was the lowest figure recorded since January, 1947.

In the chemicals group, exports totalled £7,171,891, against £7,522,145 in September, and the third-quarter average of £7.37 millions. The decline in value was largely due to a reduction in exports of industrial chemicals during October. Drugs and medicines exported in October were valued at £1,357,931, against £1,380,326 in the previous month. The export target for drugs and medicines up to the end of this year is a monthly aver age of £2.15 millions. In this instance, th figures show a rise on the third-quarte average (£1.30 millions). Proprietary med cines contributed £499,793, an appreciabl increase when compared with the Septem ber total of £428,236. Shipments c quinine and quinine salts were valued a £41,137 (September, £36,393) and aspiri at £27,868 (£26,355). A large increase recorded for insulin exports—a total c 1,231,807 units valued at £41,523 (735,19 units valued at £28,974). Penicillin export were valued at £127,050 compared wit £135,076 in September. Ointments an liniments exported during the mont brought in £59,152 (£63,270). Principa buyers of British medicinal products wer the countries of the Commonwealth, Be gium, Turkey, Egypt and Eire. Export of disinfectants, insecticides, sheep an cattle dressings were valued at £298,48 (£374,024).

Exports of perfumery and toilet prepara tions (which do not include perfume spirits, essential oils and soap) were agai disappointing. The October total wa £205,702, approximately £17,000 les than the September value, and it is im probable now that the industry will in crease exports sales to reach its end of yea target of a monthly rate of £0.34 million Tooth-pastes, dental preparations, etc. totalled £28,924 (September, £37,383) and cosmetics, etc., £79,754 (£65,086) Exports of essential oils were valued a £33,319 (£42,558). Toilet soap export were higher at £136,958 (£103,953) an an increase was also recorded for perfume spirits exports which were valued a £69,762 (£62,147).

A PHARMACIST'S ANTHOLOGY

Howbe that carefull Hermite did his best
With many kindes of medicines meete, t tame
The poysnous humour, which did mos infest
Their ranckling wounds, and every da them duely drest.
For he right well in Leaches craft wa seene.

—*From Spenser's "Faërie Queene."*

B.P. 1948, ANALYTICAL REQUIREMENTS

review by Mr. A. D. Powell, M.P.S., F.R.I.C., of the analytical standards and procedures in the new pharmacopœia

HE fourth lecture in the series on the itish Pharmacopœia 1948 organised by e Pharmaceutical Society was given by r. A. D. Powell (chief analyst, Boots re Drug Co., Ltd.) on November 18. Mr. well dealt with the analytical require-nts with which the drugs in the Phar-acopœia must comply.

The general trend of revision of the alytical standards of the new pharmaco-ia, he said, had been towards making tests more exact, with greater atten-n to the details of procedure. One ex-ple of this was the assay for chloral drate which depended (like that of the P. 1932) on an alkaline hydrolysis, with nversion of the chloral to chloroform and dium formate. In the new official ethod, however, the chloride formed in a condary reaction is determined by a cond titration with silver nitrate, and a rrection applied before the main calcu-ion is made.

eneral Analytical Requirements

Mr. Powell stressed the importance to e analyst of many of the General Notices. very statement in pharmacopœial mono-aphs was now part of the standard to hich the substance must conform. As ere could be no exact interpretation of me of the descriptions, however, the alyst must continue to use his discretion d experience when deciding whether or t a substance complied with that part of e standard. The official tests were not amed to provide against all possible im-rities, and an unusual impurity was not lerated simply because it was not pre-uded by a prescribed test. The question hether the presence of an unusual im-rity rendered the substance not of phar-acopœial quality was one that must be cided on a rational basis.

Another addition to the General Notices importance to the analyst was the pro-sion that, in suitable instances, micro-alytical methods, if of equivalent accu-cy, may be substituted for the tests and says described. The term "dried to con-ant weight" had been re-defined.

eagents

The reagents used in the tests have to ach standards of purity or of freedom om certain specific impurities. This often entails the inclusion of complete mono-graphs involving qualitative tests for various impurities as well as an assay pro-cess. Appendix I, which refers to reagents, has grown from twenty-two pages in the B.P., 1932, to sixty-five pages in the B.P., 1948. Standard reagents, when used for a specific test, might need to be rather more pure than the general requirements de-mand; for example, in the test for oxidis-able impurities in distilled water.

Physical Tests

In the physical tests comprising Appen-dix IV greater attention had been given, said the speaker, to description of the apparatus and the procedure to be fol-lowed. The melting-point tube, for ex-ample, was now required to comply with measurements for internal diameter and wall thickness, and the use of different tubes was now required for substances melting below and above 100° C. The melting-point was also defined with more accuracy. The melting-point of oil of theobroma had caused a good deal of trouble in the past, but the oil was now melted, subjected to chilling under con-trolled conditions, and charged into the capillary tube. The melting-point, as determined by the new procedure, tended to be lower than the average figures pre-viously quoted, and this had been allowed for in the monograph.

The apparatus for determining boiling-point was now essentially in agreement with the British Standards Specification 658/1936. The appendix included a table showing the buoyancy correction necessary to calculate the density of the liquid from the observed weight per mil.

Lead, Arsenic and Iron Tests

Appendices VI, VII and VIII were on the same lines as in the B.P., 1932. From a number of new drugs, mostly organic substances that have to be destroyed by wet oxidation before further treatment, the lead is removed by the "dithizone" ex-traction process. The test for lead in iron salts required the removal of iron by ex-traction with ether, if necessary after oxi-dation of the iron to the ferric state.

In the arsenic test one interesting modi-fication might be noted: in the treatment of copper sulphate, sufficient stannous

chloride is now added to the acid solution prior to distillation to reduce the copper to the cuprous state, which allows the recovery of all the arsenic in the distillate. As the limit remains at 10 parts per million, manufacturers will have to ensure a greater freedom from this impurity.

In the limit test for iron (Appendix VIII) thioglycollic acid is used as reagent. A pink colour is given by the metal in either the ferrous or ferric state, and this removes a difficulty sometimes experienced with the former test, due to colours produced by nitrous compounds acting on the thiocyanate reagent.

Monographs

The lecturer indicated the changes that have occurred in the principles of the tests in groups of official chemical substances.

Acids: An improved test for chlorinated compounds in benzoic acid, similar to the sixth addendum test for mandelic acid, has been introduced. The standard has, therefore, had to be modified, twice the amount of chlorine now being allowed.

Alkaloids: The new monograph for atropine sulphate reintroduces the requirement for the limit of optical rotation as a measure of the proportion of hyoscyamine tolerated, but the test is considerably less stringent than the original monograph published in 1932. The assay for ephedrine has been modified to titration of the base. Whereas the maximum melting-point of ephedrine hydrochloride has been raised from 219° to 220°, the identification of ephedrine by melting-point of the hydrochloride still gives the old range of 217°-219°. The assay of ergometrine acid maleate is by measurement of the blue colour given on reaction with solution of dimethylaminobenzaldehyde.

A number of the alkaloidal salts are now assayed by extraction of the base and weighing, or by titrating with an acid, usually with methyl red as the indicator. Pethidine hydrochloride is assayed by titration of the chloride.

Acridine Dyes: All the official aminoacridine drugs are now assayed. The process consists of precipitation of the ferricyanide and determination of the excess of the potassium ferricyanide reagent by reduction with hydriodic acid and titration of the liberated iodine.

Arsenical Compounds: Carbasone, a new organic arsenical compound, is assayed for arsenic content by the process given under tryparsamide, which is also used in th assay for acetarsol. The containers for in jection of neoarsphenamine and sulphar phenamine are required to contain fro 90-110 per cent. of the labelled amount drug. It is not clear whether this sta dard refers to the actual weight of dru or is calculated from the results of th assay.

Barbiturates: The test for neutral an basic substances in the barbiturates ha now been standardised for all the offici barbiturates. The modified test lays dow the amount of substance and the amou of ether to be used in extraction.

Hormones and Vitamins

The standards for hormones are base principally on the physical constants suc as melting-point, specific rotation an ultra-violet absorption. The standards fo the vitamins are similar to those formerl official. Calciferol (except in preparation is now standardised entirely on physic and chemical tests.

Inorganic Compounds

Calcium Salts: Apart from calcium ca bonate and calcium hydroxide, which ar still assayed by determination of the tot alkalinity, all calcium salts are no assayed on their calcium content. Th calcium is precipitated as oxalate, th separated oxalate being titrated with pota sium permanganate.

Iron Salts: Iron salts have now to com ply with standards for lead content. Th assay for iron carbonate saccharated is no based on Heisig's method.

Mercury Compounds: Mercury oxycya nide is less basic in the new B.P. A mercuric oxide is slightly volatile whe heated to 150°. the new test calls for dry ing at 100° C. The titration method fo mercuric chloride has been improved, th use of calcium chloride in the new proces preventing aggregation of the mercury.

Iodides: In the determination of iodid in metallic iodides and official solution hydrocyanic acid is added, rendering th end-point easier to determine; mucilage o starch may be used as indicator. Aqueou solution of iodine, apparently by an over sight, is still titrated by the old method.

Chlorate: The determination of chlorat in potassium chlorate has been changed t a process of reduction to chloride wit sodium nitrite. The method is claimed t be more accurate.

Magnesium Salts: The upper limit fo

tent of magnesium in magnesium trisili- e has again been adjusted to bring it o line with the range of silica content, l the assay process has been tightened to avoid loss of magnesium, which, in old method, might occur through re- tion of washings. In the test for soluble tter in magnesium carbonates and oxides direction is given to boil the substance h water for five minutes only, as con- ued boiling produces more soluble tter.

Zinc Compounds: The new monograph for zinc peroxide is causing some trouble to analysts, as the standard laid down requires a product that does not at present appear to be available in this country, although it is to be hoped that manufacturers will shortly solve the difficulties of making it. The standard, based on that of the United States Pharmacopœia, requires a minimum percentage of 45 per cent. ZnO_2, and compliance with a test for prolonged evolution of oxygen.

TREPTOMYCIN IN PULMONARY TUBERCULOSIS

E short-term results of a controlled in- tigation into the effects of streptomycin one type of pulmonary tuberculosis have n published recently ("British Medical rnal," October 30, p. 770). The inquiry, nned and directed by the Streptomycin Tuberculosis Trials Committee of the dical Research Council, was carried out seven hospitals in Great Britain. It was igned to determine whether streptomy- is of value in the treatment of pul- nary tuberculosis (not in what types of monary tuberculosis it could be effec- , nor the optimal dosage or duration d rhythm of treatment). Patients were ected who had acute progressive bila- al pulmonary tuberculosis, unsuitable collapse therapy—a type hitherto con- ered unsuitable for any form of treat- nt other than bed-rest. Fifty-two such tients (C group) were treated by bed- t alone while fifty-five (S group) were ated by bed-rest plus streptomycin, re- ving 2 gm. streptomycin per day (in r intramuscular injections at six-hourly ervals). The majority of S patients re- ved streptomycin for only four months, t observation was continued for six nths. Patients often showed signs of stibular disturbance but there were no xic effects that made it necessary to stop atment. After six months 7 per cent. S patients and 27 per cent. of C patients d died. Radiologically, considerable im- ovement was noted in 51 per cent. of S ses and 8 per cent. of C cases; deteriora- n was noted in 18 per cent. of S cases d 34 per cent. of C cases. Of patients utely ill, clinically, on admission, thir- en of twenty-four S patients and two of neteen C patients showed radiological provement. Clinical improvement was own by more S patients than C patients, t the difference was less marked than the radiological improvement. S atients showed the greatest improvement in the first three months, after which many showed signs of deterioration, probably caused by developments of streptomycin resistance, which usually emerged in the second month. Of forty-two patients tested for the streptomycin sensitivity of infecting strains, thirty-five revealed *in-vitro* resistance from thirty-two to over 8,000 times that of the original or the standard strain. After six months, examination for tubercle bacilli were negative in eight S cases and two C cases. A general assessment of the patients after twelve months gave the following percentage figures: Improvement, S 56, C 31; no change, S 7, C 10; deterioration, S 15, C 13; death, S 22, C 46.

In its conclusions ("of necessity lacking in precision"), the report says the value of streptomycin in one not very common form of tuberculosis has been demonstrated. It is probably of greatest value in cases of pulmonary tuberculosis in which the lesions are of acute and recent development. Its use may be recommended in acute contralateral spreads after artificial pneumo-thorax or after thoracoplasty. Its most effective use would probably be in preparing for collapse therapy cases of rapidly advancing pulmonary tuberculosis in which immediate collapse therapy would be dangerous or impracticable. Organised investigation will be needed, says the report, to determine whether emergence of streptomycin-resistant strains can be prevented by association of streptomycin with another drug, or by a special rhythm of treatment. Meanwhile it seems that after two to three months of streptomycin treatment in open pulmonary tuberculosis, further treatment, or a repeat course later, is unlikely to be effective.

[A report on trials of streptomycin in tuberculous meningitis conducted by a committee appointed by the Medical Research Council was issued in April; see *C. & D.*, May 8, p. 598.]

CONFERENCE ON PRICING

A CONFERENCE of representatives of Pharmaceutical Committees was held in London on November 24. Mr. G. H. M. Graham, who presided, was supported by Messrs. G. A. Mallinson and T. Heseltine.

In a discussion on the pricing of October prescriptions, objections to averaging were again strongly put forward. Some representatives expressed a sense of potential loss felt by many chemists under averaging carried out on the basis of the July figures. MR. MALLINSON pointed out that investigation had shown that the difference between actual payments to contractors based on averaging and payments based on full pricing was extremely small. MR. J. HINDLE, Lancs, maintained that full pricing could be done and should be insisted upon. To a resolution to ratify the action of the Contractors' Committee there was put an amendment calling for an increase from 161½ per cent. to 175 per cent. in the amount by which the N.H.I. fees were increased to give the N.H.S. payments in the period July-December 1948. MR. MALLINSON replied that the available statistics did not justify such an increase. The conference rejected the amendment and the resolution of ratification was approved.

Pricing in 1949

A resolution to accept U.L.630 as a basis for pricing during a period not extending beyond December 1949, with the proviso that the opportunity should be taken to overhaul the machinery of pricing offices in order to permit full pricing in 1950, was moved by MR. J. ALLEN JONES, Lancs, and seconded by MR. C. W. HOBSON, Sheffield. An amendment was moved and seconded to substitute for the minimum of 25 per cent. (of all prescriptions below 2s. 6d. priced in full) "that initial percentage" that would give reasonable protection to chemists against under-pricing, allow arrears to be overtaken, and permit each month's pricing to be done within a month, with a progressive increase in the percentage until full pricing was achieved. By agreement, the amendment and the original resolution were combined in a single motion as follows and carried *nem. con.*:—

> That this conference accepts as an interim measure the proposals outlined in U.L.630 on the understanding that full pricing on a simplified basis will be introduced by the end of 1949, and that the conference gives the Contractors' Committee authority to take an necessary emergency measures to secure clea ance of the arrears.

The conference accepted a proposal fo the setting up of a round-table conferenc on ways of improving pricing.

"Urgent Fees"

Many complaints were made that pres criptions marked "urgent" were bein removed by pricing offices from the "5s. and-over" bundles (into which they ha been put by contractors on the instructio of the N.P.U.) and dealt with among th prescriptions priced by averaging method MR. MALLINSON, on behalf of the N.P.U Executive, agreed to make a new approac to the Ministry urging that "urgent prescriptions should be dealt with in th "5s.-and-over" bundles (i.e., priced ou in full).

MEMORANDUM ON CHEMISTS' REMUNERATION

As an outcome of discussions between th Central National Health Service (Chemists Contractors) Committee and the Ministr of Health, agreement has been reached o amended proposals for pricing prescription for October, November and December They are set out in form E.C.N.6 (Memo No. 3). Instead of pricing in full the pre scriptions for those months, according t the scheme laid down in the Ministry' Memorandum No. 2 (E.C.N.5), the follow ing procedure is being adopted. Chemist in Pricing Office areas, except Mancheste and Lancs (No. 2), will be paid for October November and December prescriptions o the basis adopted for August and Septem ber (i.e., prescriptions of net ingredien cost 5s. and over in full; prescriptions o net ingredient cost under 5s. at chemist' own average gross cost in July, adjusted a for August and September). The Manchester and Lancs (No. 2) pricing office will price October prescriptions in full For November and December, all prescriptions of net ingredient cost 5s. and ove will be priced in full, and prescriptions o net ingredient cost under 5s. at chemist' own adjusted October average gross cos for such prescriptions. Pricing offices which have enough time are being asked to assis other offices, and chemists in all areas are requested to sort prescriptions for November and December, placing on top of their bundles forms bearing prescriptions of net ingredient cost 5s. and over.

GUIDE TO NEW MEDICAMENTS

ormation about new proprietary medicaments to be supplied principally on prescrip-ns. Editorial recommendation is not implied. Reprints obtainable on application.

DIGOPHYLLIN A.F.D.

ANUFACTURER: Anglo-French Drug Co., Ltd., 11 Guilford Street, London, W.C.1.

SCRIPTION AND FORMULA: Tablets each containing Digitaline Crystallisée (digitoxin), 0.05 mgm., and aminophylline, 50 mgm.

DICATIONS: Congestive heart failure, auricular fibrillation, cardiac asthma.

SAGE: Average single dose, 2 tablets. Maintenance dosage, 4 tablets daily.

W SUPPLIED: Tubes of 50 and bottles of 200 and 500 tablets.

GLUCO-THRICIL

ANUFACTURER: Parke, Davis & Co., Staines Road, Hounslow, Middlesex.

SCRIPTION: A stable preparation of ephedrine (1 per cent. as lactate) and the antibiotic Tyrothricin (1-5000) in a vehicle of isotonic dextrose, with cetyl trimethyl ammonium acetate as a solubilising and stabilising agent.

DICATIONS: Nasal congestion accompanying the common cold and other infections of the upper respiratory tract.

SAGE: 2-4 drops into the nostrils.

W SUPPLIED: In 1-oz. bottles, each with dropper.

TES: The preparation is biologically assayed.

CUPRELONE

ANUFACTURER: Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2.

SCRIPTION: Sodium salt of cuproallyl-thiourea-meta-benzoic acid, containing approximately 19 per cent. copper.

DICATIONS: Infective arthritis, demyelinating diseases of the nervous system, certain types of tuberculosis, and other conditions for which gold therapy is indicated.

SAGE: Usually 10 mgm. (tolerance dose) intravenously, increased to 100 mgm. or more, at intervals of three to four days, to a total dose of 500-5000 mgm.

W SUPPLIED: Ampoules containing 10, 25, 50, 75, 100 and 250 mgm. of the dry powder.

TES: For administration the powder is dissolved in sterile double-distilled water and the solution used as soon as possible. Rest periods of four to twelve weeks are given between courses. The compound is better tolerated than gold preparations.

HISTOSTAB

ANUFACTURER: Boots Pure Drug Co., Ltd., Nottingham.

ESCRIPTION: The antihistamine substance 2-(N-phenyl-N-benzylaminomethyl)-imidazoline.

DICATIONS: Allergic conditions, hay fever, urticaria, neuro-dermatitis, etc.

OSAGE: *Orally*: One tablet (see below) three times a day increased if necessary to six daily.

By Injection: Usually 1-2 mils of injection solution (see below) three times daily by intramuscular injection.

OW SUPPLIED: Tablets containing 0.1 gm. in bottles of twenty-five. 2-mil ampoules containing 0.1 gm. in solution, in boxes of six.

OTES: Solution of Histostab compound, containing Histostab 1 in 200 and 2-(naphthylmethyl)-imidazoline 1 in 4,000, is prepared for local application.

INTER-MANUFACTURER CO-OPERATION IN THE EXPORT FIELD

By H. Catleen, D.Sc.(Econ.), M.I.Ex.

IN these days when more and more not-so-big manufacturers are entering the export field—some voluntarily and some under gentle pressure from outside—it may be of value to ventilate the question whether the export organisation of one particular manufacturer, built up in years of trial and error, can be put, with advantage to both, at the disposal of another who is making allied but not competitive products.

It may be taken for granted that each manufacturer, anxious to develop his export trade, will use the facilities which the Export Promotion Department, his bankers, and his forwarding agents will put at his disposal in order to find the right outlets in the right territories, but does there exist any help beyond such channels? Many British manufacturers, large and small, have built up their own export sales organisation, consisting of well-tried and reliable agency firms with whom they have co-operated for many years. If a newcomer could make an arrangement with such an experienced manufacturer to use his export organisation or part of it, would the advantage of such co-operation be mutual? The answer, in the author's view, is "Yes." Some of the advantages that result from the transfer of complete export sales organisations for the experienced manufacturer, for the new manufacturer, and for the whole British national economy are here discussed.

Advantages to Experienced Exporter

If the manufacturer is not operating on a large scale, he is in all probability only one of a number his agent represents. By putting himself in close contact with one or more other manufacturers, he shares in exerting a combined influence on the agent, with the result that the agent becomes more interested both in the combination and in each individual member of it. Next he can exchange and check information about the latest developments abroad. If the sale of his products fails to correspond with the general trend of affairs abroad, he perceives and remedies shortcomings earlier than if he were working alone. With two or three new manufacturers he can send out an export traveller on a shared-expenses basis. Should one manufacturer demand more work tha another, the expenses can be apportion on an agreed basis. The traveller, havi more than one line to offer, can intere larger firms—with a view to their becor ing commission agents, or sole importers- than if he had only one agency to place

The experienced exporter can arran with the newcomers for joint shipmen thus saving freight and other expense Collective advertising can also save cos while the setting-up of a warehouse on joint account, necessary at a later sta in a favourable territory, also saves mone By introducing his agencies to a man facturer of allied products, he offers the another chance of an enlarged turnover.

Advantages to the New Exporter

The new entrant to the export fie gains a short cut to tried and reliab overseas agencies, to which he is effective introduced by a valuable business frien New in the field, it might otherwise tal him several years to find the right cou tries and right agents in those countri The process of selection and eliminatic would have been done mainly by trial an error, and that invariably spells loss of tim money and opportunities. Amid prese difficulties with import licences, high Cu toms duties, quota systems, etc., it is boon for the newcomer to be able to sta immediately in territories that present th least difficulties. The experienced man facturer, through his export sales organ sation, knows the answers already, an can advise accordingly. After an initi period, the advantages given above for th experienced manufacturer are felt by th new manufacturer. Co-operation betwee them, initiated and sponsored by the priv ate enterprise of the manufacturers cor cerned, or, on a larger scale, by th secretaries of their trade association c chamber of commerce, favourably influ ences export figures. There is no dou that many smaller manufacturers are nc yet exporting at all, or a much smalle part of their output than they could an would like to. The main handicap is, i many cases, the lack of an export organi sation. Working on their own they ar easily discouraged in a world where th sellers' market is a myth of yesterday.

EGYPT—A MARKET FOR CHEMICALS

E and pharmaceutical chemicals constie one of the most important sections of Egyptian imports according to a report oard of Trade Export Promotion Deartment, S.R.S.I., COM/1285/ID5) by the itish Commercial Minister at Cairo. In a evious survey of economic and commerl conditions in Egypt (see *C. & D.*, gust 14, p. 206) figures given showed the oid expansion of imports of chemical oducts in 1945 and 1946 compared with e-war figures, and it was demonstrated at important gains were made by the nited Kingdom. The new report brings to date the information on the Egyptian arket for heavy and fine chemicals. Some per cent. of imports of pharmaceutical oducts and fine chemicals come from itain, though there is some competition om France and Belgium, and the United ates would have proved a strong rival the Egyptian market had there been no ortage of dollars.

overnmental Controls

The Ministry of Public Health exercises rigorous control over the trade in pharaceutical products, both imported and cally produced. The importer must comunicate to the Ministry the formulas of l products he wishes to import and must ibmit evidence that the products are in ommon consumption in the exporting ountry. Importers must have a qualified hemist on their staff, and their storage acilities must be approved by the Minisry's inspectors. Egyptian leaders are nxious to see the beginning of local manuacture of fine chemicals, as distinct from he local preparation of pharmaceutical pecialities from imported chemicals. They vish especially to exploit the natural reources of the country, such as indigenous nedicinal plants.

Domestic production of certain pharmaeutical specialities, mainly from imported fine chemicals, received some impetus durng the war, when there was an acute shortage of many specialities on the local market. The industry has existed in a small way since 1930, but during the war a number of new firms were established, and the industry did a fair business down to the beginning of 1946. The activities of local manufacturers have, however, been much curtailed since the arrival of large supplies of competing goods from abroad.

Increased population, high incidence of disease and slow but certain advancement of health services promise larger requirements of fine chemicals. The rates of increase will, however, be slow. British chemical products generally have made considerable progress in the Egyptian market since the end of the war, and future efforts will have to be directed towards retaining the position they have attained, in the face of increasing competition, rather than towards seeking further increases in trade. The price factor will be important. Deliveries from the United Kingdom are slow and tedious, and manufacturers are inclined to split up an order into piecemeal shipments. There is also frequent disparity between the quotations of one manufacturer and another for the same product, and often the difference is so marked as to create confusion and lack of confidence in the minds of importers. Representatives of some British fine chemical manufacturers no longer visit the Egyptian market. Personal contact with agents and important customers is essential in the chemical trade, and the importance of such visits cannot be too strongly stressed. The criticism does not apply to several well-known British firms which maintain resident representatives in the Middle East.

Methods of Trading

A large proportion of the trade in chemicals, especially fine chemicals, is with the Ministry of Public Health of the Egyptian Government, whose annual requirements are put out to international tender. Adequate representation is, therefore, essential, and it is satisfactory to record that most U.K. manufacturers are strongly represented by a local subsidiary or by local British or other agents of first-class standing, while several, as pointed out in the preceding section, have seconded members of their U.K. staff to act as technical representatives in the Middle East. Sales, apart from Government requirements put out to tender, are direct to the principal industrial users, though fine chemicals are supplied direct to private hospitals, wholesale druggists and retail pharmacists. Payments (other than for Government supplies) are generally by irrevocable credit opened in the United Kingdom, or by cash against documents in Egypt for old-established customers of proved integrity. British chemical products are well packed and there are no complaints on this score. Considerable publicity is undertaken, mainly in the medical, commercial and daily Press.

CORRESPONDENCE

Correspondents may adopt an assumed name for publication but must furnish their real name and address to the Editor

Labelling for Export

SIR,—In respect to our strenuous export drive, it strikes me as a mistake to put labels with formulas on them on pharmaceutical preparations as the medicines can then be readily copied by the importers.

Bournemouth. A. G. FENNELL.

Time to Oust the Dots

SIR,—Payment in arrears? It's been that way for thirty years—mainly caused by decimals. Under the Scottish (½d.) System, I would have been £100 a year better off. That's my loss on the "damned little dots." The total loss to the drug trade is enormous. Time the dots were thrown out.

Crewe. J. MAVOR.

Taxation Without Tears

SIR,—I enclose a suggestion which I sent to the authorities as a means of lessening the burden of tax on small manufacturers. It seems beyond hope to get the purchase tax abolished altogether, but my scheme would bring the authorities as high a return as they get now.

London, S.E.10. CHARLES PHILIP.

[Mr. Philip's scheme provides for the return of medicine stamps and licences, together with a new series of stamps upon cosmetics. The sellers' licence would be increased to 21s. for each class, and the manufacturer or wholesaler would be required to stamp every taxable article before dispatch. Chemists would retain their present power to make and pack £500 worth of toilet preparations free of duty so long as the goods were made and packed on the premises and not sold by wholesale.—EDITOR.]

"Fantastic Salaries"

SIR,—May I be allowed to reply to the letter by "Scottish Chemist"? If private pharmacist employers in the past had seen to it that the salaries they paid were better than those paid by the co-ops and multiples, then the latter would never have been able to expand. The limiting factor in the growth of the co-ops is qualified labour. The salvation of pharmacy will be (1) higher salaries paid by private pharmacist employers, or a chance given to the employees to acquire financial interests in businesses, and (2) greater support to the National Pharmaceutical Union Business Purchase and Guarantee Fund. The operative phrase in the letter by "Scottish Chemist" is "offering fantastic salaries." Employees can save more money if they are paid high salaries, and I am certain that many employees of the co-ops and multiples are trying to save money to be able to buy businesses of their own. May I suggest that the use of the word "fantastic" shows a frame of mind that has given rise to many pharmacists leaving private pharmacy for co-ops?

ENGLISH CHEMIST

SIR,—Present-day conditions in pharmacy in Scotland, to which Scottish Chemist refers (*C. & D.*, November 6, p. 615) are a legacy from an older generation of pharmacists who, selfishly and stupidly as I think, persisted in running their shops on apprentice labour. It is useless, now, to expect a young pharmacist to refuse to accept a "fantastic" salary, even if he has to accept direction from a head grocer or clerk. A few of us remember the fantastic salaries paid to qualified chemists before the war. The average was, I think, about 65s. per week for a branch manager or charge hand. Moreover, when a business does come into the market, the goodwill asked is itself fantastic. It is good to note that the vendors in such circumstances are for the most part being allowed to keep those businesses or turn them into drug stores. I have also heard moans from wholesalers about the increase of co-ops and multiples, but I well remember the keen competition there was to supply them before they found means to supply themselves.

STORE DRUGGIST.

Sale of Spirit in Scotland

SIR,—Mr. Linstead has explained (*C. & D.*, October 30, p. 577) the "difficulty" of removing the necessity for a Scottish pharmacist to be "compeared and duly sworn" in order that he may sell methylated spirit. I still think that a simple solution such as Mr. Meldrum suggested on the same occasion would be possible. Alternatively, a single clause could surely be added to the Regulations. I like Mr. Linstead's emphasis upon our preferential

tus and professional recognition, but I uld like to see more evidence of the t. The "recognition" is poor consola- n to one who is asked by the Govern- nt to accept remuneration that com- res unfavourably with what has to be id to skilled tradesmen. Is any other ofession subject to a testing scheme? The gument that chemists must submit be- use they are supplying goods under con- ct will not hold water. Dentists and ticians are also supplying goods under ntract. It may be, of course, that their muneration is considered sufficient to put em beyond temptation!

Anstruther. R. S. WHITELAW.

Eire Benevolent Fund Appeal

SIR,—May I remind Irish chemists and friends in the drug trade that the dance aid of the Benevolent Fund of the Phar- aceutical Society of Ireland is at the resham Hotel, Dublin, on December 7. ickets (15s. each) may be had from the ndersigned, or any member of the dance mmittee. Those who are unable to at- nd the dance are earnestly invited to send donation. Last year the Benevolent Fund aid out £428 by way of some sixty grants necessitous cases. This year the claims on the fund are very heavy, and they an only be adequately met if every one in e profession does his, or her part, by sup- orting the dance, or sending a remittance, o matter how small. Pharmacists will ake their own Christmas the happier if ey remember, by supporting the work of is great fund, those of their own pro- ession, or their dependants, who have fal- en upon hard times. Out of the 900-odd embers of the Pharmaceutical Society of reland there are some 600 who have not et subscribed to the Fund. To every one f these 600 the committee makes an urgent ppeal. Cheques should be made payable o the treasurer of the committee.

DAVID MURPHY,
Benevolent Fund Dance Committee.
67 Lower Mount Street, Dublin.

Proprietaries Under N.H.S.

SIR,—"Xrayser" (*C. & D.*, November 13, p. 625) refers to correspondence in the "Lancet" between Mr. Godding and myself. Ethical proprietary preparations were prescribed under National Health Insurance and are prescribed under N.H.S. From past experience, the manufacturers have little cause to worry. Equally, there is little justification for prescribing such proprietary medicines as are handled by grocers. "Border-line" cases present some difficulty, which is best met by continuing the present freedom of a practitioner to prescribe anything, provided he is prepared to justify his action. Alteration of that power would lead, I think, to greater confusion and trouble. But I would like, if I may, to direct your readers' attention to the pharmaceutical aspects of the problem. To date no comment, unfortunately, has appeared from a retail pharmacist on this score. Many complaints have been made in the past of the multiplicity of branded preparations of, for example, sulphanilamide. If the prescribing of proprietary preparations is to multiply, then there is little need for a pharmacist to hand out the "indents" issued by the doctor. Without wishing to enter into the controversy further, there is a little apprehension, I believe, about the results of dilution of pharmacy by unqualified labour. I leave your pharmacist readers to think carefully of the future and decide which star to follow.

Newcastle-on-Tyne, 5. A. FORSTER.

ACCIDENT PREVENTION

SUBJECTS dealt with by the industrial accident committees of the Royal Society for the Prevention of Accidents have included "Occupational Diseases," by Dr. G. B. Oliver, and "The Treatment of Burns by the Bunyan Bag Method," by Dr. J. Bunyan. Dr. Oliver dealt first with lead poisoning, pointing out that the compounds alone were poisonous, but that 2 mgm. absorbed daily was sufficient to set up chronic lead poisoning; that absorption was generally by inhalation, and that the greatest success in prevention had resulted from methods over which the worker could exercise no control. He made reference also to phosphorus, mercury, chromium and benzene poisonings, all of which had been greatly reduced in the course of recent years by improved working conditions, ventilation, etc. Dr. Bunyan said that it had been found in industry that, if a man suffered severe lacerations to his hand, and it was plunged into sodium hypochlorite solution and then put in one of the bags that had been given his name, there was a good chance of rapid healing after first-aid treatment. The hypochlorite should be electrolytically prepared and isotonic, and a wetting agent such as sodium lauryl sulphate was usually added.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Nov. 24

A MODERATELY brisk demand for PHARMACEUTICAL and FINE CHEMICALS has been received during the past week from both home and overseas buyers. A principal feature has been an increase in makers' quotations for EPHEDRINE ALKALOID and SALTS of 3d. per oz. with effect from November 18. It is understood that increases in the cost of production are responsible for the upward revision of prices. Supplies of ephedrine are now adequate for current demands. There is an indication of more competitive conditions in foreign markets and it is reported that in some instances prices quoted by British producers for the same product are widely different.

Crude Drugs

In the various markets for BOTANICAL DRUGS interest has again been centred on comparatively few articles. It is understood that the market is practically bare of supplies of sound Chinese common round RHUBARB and no offers are being made from origin. Other Chinese drugs such as GALANGAL ROOT and ANISE (STAR) are also tending firmer. ERGOT on the spot continues firm but the forward market is steadier with shipment offers at around 5s. 5d. to 5s. 6d. per lb., c.i.f. Little if any supplies are now available on spot of CARDAMOMS, the remainder of the Aleppy seeds were sold at 10s. 6d. per lb. The forward market is very firm, with inquiries at origin from Scandinavia tending to force up prices. IPECACUANHA continues firm. Rather higher prices are asked for COCHINEAL blacks which are in short supply on spot. In other markets, MENTHOL tends to be firm and a fair business is being done for the home trade. In SPICES, TURMERIC is firm at 117s. 6d. per cwt., spot. Spot prices of other spices are little changed. At origin Sierra Leone GINGER is £63 per ton. Fair supplies of PIMENTO are coming forward in Jamaica at the controlled price of 48s. per 100 lb. The GUM markets have been quiet and prices are little changed on the week. Only a small supply of Talha GUM ACACIA is available on spot and prices have advanced by 3s. per lb. SANDARAC is a firmer market. Spot quotations for SHELLAC are unchanged. Dar-es-Salaam BEESWAX has been in fair request but in other directions the wax markets have been without interest.

Business in ESSENTIAL OILS has been on a small scale. Prices of BAY, EUCALYPTUS and Bourbon VETIVERT are lower on the week. CASSIA is a stronger forward market owing to the general uncertainty of Chinese supplies, and slightly higher prices are asked for ANISE on the spot.

U.S. Drug and Chemical Report

New York, November 19

THE market for PHARMACEUTICAL CHEMICALS has been quiet during the past week with the continuing mild weather holding off demand for seasonal goods. In face of a competitive market, created by abundant supplies and a lack of demand, a sharp reduction in the price of ETHYL ALCOHOL is reported, the third decrease in recent months. The new prices are 27½-29½ cents per gall., according to quantity. Increases of 3 cents per lb. announced recently by several manufacturers of ASPIRIN have now become general throughout the industry and the material is now firmly quoted at 53 cents per lb.

Price declines again outweighed increases on the BOTANICAL DRUGS, SPICE and GUM markets last week. PEPPER, both black and white, was sharply easier at 80 cents per lb. on the inside, against 85 cents previously, while Nicaraguan IPECACUANHA, whole, was reduced by 15 cents per lb. at $4.70 on the inside. Declines of a cent or less per lb. were also noted in Chinese CASSIA, African and Jamaican GINGER and Indian CELERY SEED. On the other hand, Curaçao ALOES were marked up 5 cents per lb. to 35-40 cents as a result of reduced stocks. The ESSENTIAL OILS market displayed relative price stability last week due to a somewhat better volume of inquiries. SPEARMINT was reduced 15 cents per lb.—to $4.85-5.85 per lb.—but PEPPERMINT quotations remained steady. New-crop French LAVENDER is reported to be freely available on the spot.

Pharmaceutical Chemicals

AMIDOPYRINE.—Quotations for prompt delivery are from 45s. to 50s. per lb.

BENZOIC ACID.—Makers' quotations for pharmaceutical quality are from 2s. to 2s. 10d. per lb., as to quantity. SODIUM BENZOATE is available at the same prices.

BORIC ACID.—Current rates for ton lots of B.P. quality are: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1 cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. Terms quoted do not apply to Northern Ireland.

CAFFEINE.—Steady. Home trade demand continues brisk. Makers' rates per lb. for 1-cwt. lots are: ALKALOID, anhydrous, 35s. 6d., and B.P., 33s. 6d.; CITRATE, 20s.; SODIUM BENZOATE, B.P., 22s. 6d.; SODIUM SALICYLATE, B.P.C., 23s. 3d.; SODIUM IODIDE, 26s. 56-lb. lots are 1s. per lb. more than above rates; 28 lb., 1s. more than for 56 lb.

CALAMINE.—Quotations for B.P. mater-l are at 1s. 8d. per lb. for 1-cwt. lots.

CALCIUM GLUCONATE.—Makers' prices are om 3s. 1d. to 3s. 4d. per lb.

CHLORAL HYDRATE.—Current rates per b. for the home trade, are as follows: -cwt. lots, 4s.; 56-lb., 4s. 2d.; 28-ib., s 4d.

CHLOROFORM.—Current prices are as fol-ows: 1-cwt. lots in winchesters, 2s. 11d. er lb.; 56-lb. lots, 3s. 2½d.; in drums, s. 1d. and 3s. 1½d. respectively.

CITRATES.—Makers' rates are unchanged. 'OTASSIUM, 5-cwt. lots, 2s. 10½d. per lb.; cwt., 2s. 11½d.; scheduled prices for uantities of 28 lb. to 1 cwt. are (con-ainers in brackets): 3s. 9½d. (1-lb.); s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6½d. 14-lb.); 3s. 5½d. (28-lb.); IRON AND MMONIUM CITRATE, B.P., 7d. per lb. more; SODIUM, B.P., 3d. per lb. less; powder, 1d. er lb. extra.

CITRIC ACID, B.P.—Makers quote 1s. 5½d. o 1s. 7½d. per lb., less 5 per cent., for -cwt. lots, delivered in the United King-lom.

CODEINE.—Steady. Current prices per z., in the home market, are: ALKALOID, oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 7s. 9d.; 3 oz., 47s.; 4 oz., 46s. 9d. HYDRO-HLORIDE, ½ oz., 46s. 4d.; 1 oz., 44s.; 2 oz., 2s. 6d.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d.; HOSPHATE, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. YDROBROMIDE and IODIDE as ALKALOID; ULPHATE as HYDROCHLORIDE.

CREOSOTE, B.P.—Ex beechwood, French s offered at about 7s. to 7s. 9d., and Swedish at 8s. to 8s. 3d. per lb. In good nquiry.

DIAMORPHINE.—Home trade rates, per z.: ALKALOID, ½ oz., 54s. 6d.; 1 oz., 52s.; oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. YDROCHLORIDE, ½ oz., 50s. 3d.; 1 oz., 7s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d. per oz.

DIGITOXIN.—Current quotations are in he region of 110s. per gm.

EPHEDRINE. — Makers have advanced their prices by 3d. per oz., as from Novem-ber 18. New rates per oz. are as follows: ALKALOID: 1 oz., 11s. 9d.; 16 oz., 11s. 6d.; 25 oz., 11s. 3d.; 50 oz., 11s.; 100 oz., 10s. 9d. HYDROCHLORIDE and SULPHATE: 1 oz., 8s. 3d.; 16 oz., 8s.; 25 oz., 7s. 9d.; 50 oz., 7s. 6d.; 100 oz., 7s. 3d. Assorted contracts may be booked for quantities of not less than 100 oz. over six months. Containers: 50 oz., or more, free. 50-oz. lots, carriage paid.

GUAIACOLS.—Supplies are rather short. Liquid, quoted at from 14s. 6d. to 16s. per lb., and crystal and carbonate, 14s. to 15s., according to quantity.

PEPTONE. — Importers' quotations are from 13s. to 15s. per lb., as to quantity.

PHENOL.—Maximum price for crystals in the home market is 11d. per lb., in 1-ton lots in drums (returnable), delivered.

PHOSPHATES.—Makers' rates per lb. are as follows: SODIUM, B.P., 1 cwt., 6d.; 28 lb., 7½d. SODIUM ACID, B.P., crystals, 1 cwt., 1s. 9d., 28 lb., 2s. POTASSIUM, granular, 4s. 2d.; powder, 4s. 5d. per lb. AMMONIUM, B.P.C., 1 cwt., 2s. 6d.; 28 lb., 2s. 10d. per lb. PHOSPHORIC ACID, B.P. (Concentrated) is priced at from 1s. 2d. to 1s. 3d. in carboys, and from 1s. 5d. to 1s. 9d. per lb. in winchesters.

PILOCARPINE.—Makers' prices are un-changed. Rates per oz. are: ALKALOID.—1 oz., 36s. 9d.; 4 oz., 35s. 3d.; 25 oz., 34s. HYDROCHLORIDE.—1 oz., 34s. 9d.; 4 oz., 33s. 3d.; 25 oz., 32s. NITRATE.—1 oz., 33s. 3d.; 4 oz., 31s. 9d.; 25 oz., 30s. 6d.

PIPERAZINE. — Current prices from 4s. 6d. per oz., according to quantity.

POTASSIUM ACETATE, B.P.—Fine granu-lar is 2s. 1½d. per lb. in 1-cwt. lots.

QUININE.—Makers' rates (per oz.) to distributors are given below; additional charges must be added for repacking, etc. ALKALOID, from 5s. to 5s. 6d.; ACETYL-SALICYLATE, 6s. to 6s. 6d.; BISULPHATE, 3s. 7d. to 4s. 1d.; DIHYDROBROMIDE and DIHYDROCHLORIDE, 4s. 11d. to 5s. 5d.; FORMATE, 5s. 9d. to 6s. 3d.; GLYCERO-PHOSPHATE and PHOSPHATE, 5s. 5d. to 5s. 11d.; HYDROBROMIDE and HYDRO-CHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d.; SULPHATE, 4s. to 4s. 6d.; QUININE AND UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

SALICYLSULPHONIC ACID.—Quotations are at about 12s. 6d. per lb.

SODIUM ALGINATE.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-cwt., 6s. 6d.

SODIUM SALICYLATE.—Steady. Makers' price for 1 cwt. is 2s. 7d. per lb.; resellers' rates per lb. (containers in brackets) in the home market as follows: 28 lb. and under 1 cwt., 3s. 4d. (7-lb.); 3s. 3½d. (2-lb.); 3s. 2½d. (4-lb.); 3s. 1½d. (7-lb.); 3s. 1d. (14-lb.); 3s. (28-lb.). Net one month.

k-STROPHANTHIN.—Quotations are now at 25s. per gm.

THEOBROMINE.—New prices per lb., from November 17, are: ALKALOID, from 34s. 6d. to 38s. 6d.; CALCIUM SALICYLATE and SODIUM SALICYLATE, 20s. to 24s.; SODIUM BENZOATE, 22s. 6d. to 25s. 6d. Containers: 14-lb. tins and upwards, free and non-returnable; 1-cwt. (50-kilo) kegs and cases, free for export, but home trade charged extra (returnable). Carriage paid on net invoice value of not less than £20. Assorted contracts for the above preparations (ex-cluding theobromine and sodium benzoate) and the principal salts may be booked for not less than 5 cwt. over six months.

THYMOL, B.P.—Prices from maker are from 17s. 9d. to 18s. 6d. per lb.; 20s. per lb. asked for small quantities.

Crude Drugs

AGAR.—Steady. Japanese strip is offered at 15s. 6d. to 18s. per lb., duty pai l, according to quality and holder; forward, 14s. to 15s., c.i.f. South African powder, in tins in cases, quoted at 20s. per lb., spot.

ALOES.—Cape on the spot is offered at from 110s. to 115s. for prime quality. Curaçao in boxes, 200s. to 220s. per cwt., as to quality. Socotrine, 160s. to 180s. per cwt., spot.

ANISE (STAR).—Spot prices are firmly maintained at 160s. per cwt.

ASAFETIDA.—Persian block on spot is steady at from £14 10s. to £24 per cwt., according to quality and seller.

BALSAMS.—*Canada* on spot is offered at about 19s. per lb. Pará *Copaiba* (soluble) 4s. 9d. to 5s. per lb., spot. San Salvador, *Peru*, is quoted at around 5s. per lb., duty paid. *Tolu* on spot is offered at from 14s. 6d. to 15s. per lb.

BELLADONNA.—Yugoslav root is quoted at from 4s. 6d. to 4s. 9d. per lb., duty paid, as to test; English leaves are offering at from 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Sumatra block on the spot is now quoted from £14 10s. to £16 per cwt., as to quality; Sumatra almonds, £52 10s. Siam free almonds, spot, £120 per cwt.

BLACK COHOSH ROOT.—Prices, ex wharf, are in the region of 1s. 10d. per lb.

BUCHU.—Short-rounds on spot are worth 4s. per lb. Ovals, 3s. 6 l. per lb.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11d. per lb.

CAMPHOR.—Steady. Continues in fair demand. Chinese tablets are offered at from 8s. 6d. to 9s. 6d.; refined powder (B.P.). 7s. to 7s. 6d.; B.B. grade, 6s. 9d.; slabs (2½-lb.) from 7s. 3 l.; crude powder, 6s. per lb., all spot London, duty paid.

CANTHARIDES.—A dull market. Spot quotations for Chinese are at about 8s. 3d. per lb.; shipment, 4s. 6d., c.i.f.

CASCARA SAGRADA.—A dull market. 1946 and 1947 peel are offering at from 200s. per cwt. Current crop on spot is quoted at about 195s., duty paid.

COLCHICUM.—Corms on the spot, offered at prices from 6s. to 6s. 6d. per lb. No seeds available on spot; shipment, 12s. 6d.

GALANGAL.—Firm. Spot quotations are at 95s. per cwt., duty paid. Supplies for export only are offered in bond at 80s.

GENTIAN.—French natural on spot is quoted at from 60s. per cwt.; sliced root is offered at 75s., spot.

GUM ACACIA.—Quiet. Kordofan cleaned sorts, on the spot, quoted at 66s. per cwt.; November-December current-crop, 59s. 6d., c.i.f.; January-February, new-crop, 60s., c.i.f. Bleached No. 1, 125s., ex store; to arrive, 115s., c.i.f. There is little Talha on spot and holders are asking 48s. per cwt.; shipment, 40s. 6d., c.i.f.

IPECACUANHA.—Spot quotations are un changed at 22s. 6d. per lb. Shipment January-February, 18s., c.i.f.

IRISH MOSS.—Steady. French selec bleached, 120s. per cwt.; No. 1, 105s.; No 2, 95s. per cwt.

JABORANDI.—Spot quotations are aroun 75s. to 80s. per cwt., as to quality.

JALAP.—Vera Cruz, spot, 2s. 6d. to 3s per lb. as to test (10 to 15 per cent. resin) Brazilian (13 per cent.). 1s. 6d.

KAMALA.—Steady and quiet. Spot quota tions are around 2s. 6d. per lb.

KARAYA.—No. 1 gum on spot is quoted a 215s.; to arrive, 205s., c.i.f. No. 2, 180s per cwt., spot.

KINO.—A parcel of Indian gum is offere at 7s. 6d. per lb., spot London.

KOLA NUTS. — African quarters ar offered at from 4d. to 4½d. per lb.; halves from 2d. to 2½d. Jamaican washed halve are quoted at 3d. per lb.

LIQUORICE. — Anatolian natural, spo from 47s. 6d. to 50s. per cwt., as to holder Syrian, 40s.; Russian, 45s. 6d. to 46s Italian block, 275s. per cwt., spot; Italia stick, from £375 to £560 per ton, as t quantity and grade. Turkish block, fro 225s. per cwt. upwards.

MACE.—West Indian blade, spot, 7s. pickings, 4s. 6d. to 6s. per lb., accordin to quality.

MENTHOL.—In good request. Brazil o spot is offered at from 45s. 6d. per lb duty paid; in bond, 43s.; forward, 45s. 6d c.i.f.

MERCURY.—Steady at £15 per flask, e warehouse; shipment £14, c.i.f.

MYRRH.—Steady. Aden sorts, £12 pe cwt.; siftings, £6 10s. to £7 per cwt., spo

NUTMEG. — West Indian 80's, spo 3s. 3d.; sound unassorted, 2s. 10d.; worm and broken, 1s. 8d. per lb.

NUX VOMICA.—Quiet. Madras, spo steady at 40s. to 42s. 6d. per cwt.; Ma galore, 40s.; Cochin, 42s. 6d., spot.

OLIBANUM.—Fair drop is offered at 150s peas at 190s., fair garblings, 125s., an siftings at 80s. per cwt., spot.

ORANGE PEEL.—Spanish quarters, 1s. 2 to 1s. 5d., spot; sweet ribbon, 1s. 9 Seville bitter ribbon, 1s. 1d.; thin-cu Tripoli, 1s. 2d. per lb.

ORRIS.—Florentine root on spot is offere at 150s. per cwt.; Verona root, 110s. t 120s. per cwt., spot.

PAPAIN.—Spot. East African No. white is offering at about 19s. to 21s. pe lb. and Ceylon at about 16s. to 17s. pe lb. as to seller.

PSYLLIUM SEED.—French black is quote at 2s. per lb., duty pai l; Indian (isphag ula), 120s. per cwt., spot.

QUILLAIA.—Natural bark is offering a 92s. 6d. per cwt., spot; cut is offered a 125s., and crushed at 120s.

RHATANY.—A dull market. Spot quotaons are at 9d. per lb.

RHUBARB.—Very little sound Chinese ough round available on spot; prices are om 4s. 3d. to 5s. per lb.; wormy, 2s. 6d. 3s. Chinese rhapontic on spot is quoted 3s. per lb.; Indian rhapontic is offered 1s. per lb.; French, 1s. 6l.

SANDARAC. — Spot quotations are at s. 9d. per lb.; afloat, 5s. 6d., c.i.f.

SARSAPARILLA.—Jamaican native red on ot is steady at from 1s. 10½d. to 2s. 1d. er lb., as to seller. A parcel of grey, now nding, is offered at about 4s. 3d. per lb.

SCAMMONY.—Root (15.8 per cent. resin) spot is quoted at 65s. per cwt.

SEEDS.—Market continues quiet. ANISE. Cyprus, 1s. 5d. per lb., and Turkish, s. 4d. per lb., duty paid, spot London. ARAWAY.—Dutch offered at 117s. 6d. per wt., duty paid, spot London. CELERY.—ellers of Indian at 1s. 2d. per lb., spot ondon or Liverpool. CORIANDER.—Argenne is 40s. per cwt., duty paid, spot Lonon or Liverpool; Morocco, spot London, s. per cwt., duty paid. CUMIN.—Still in oor demand. Indian is now quoted in iverpool at 182s. 6d. per cwt.; Cyprus is nchanged at 190s. per cwt., in London. ILL.—Indian, quoted at 47s. 6d. per cwt., ot London or Liverpool. FENNEL.—ndian, 70s., spot London or Liverpool. ENUGREEK.—Indian, 55s. per cwt., spot ondon or Liverpool; Morocco reported ld at 54s. per cwt., duty paid, spot Liverool; 55s. per cwt., quoted in London.

SENEGA.—Continues an easy market. pot quotations are from 8s. 6d. to 9s. per .; forward, 8s. 6d. to 8s. 9d. per lb., c.i.f.

SENNA.—Steady. Trade has been disapointing. Tinnevelly leaves, spot, No. 1, 9d. 1s. per lb.; No. 2, 7½d. to 8d.; No. 3, 5d. 5½d.; Tinnevelly pods, hand-picked, 9d. to s. 4d.; manufacturing, 4½d. to 5½d. Alexndrian pods, hand-picked, spot, from s. 9d. to 5s. 9d., according to quality and eller; medium, 2s. 9l.; manufacturing, om 1s. to 1s. 9d. per lb.; Alexandrian aves, f.a.q., 1s. 2d. per lb.

SQUILL.—Italian white, 63s. to 65s. per wt., spot, according to quality and seller.

STRAMONIUM.—Indian on spot is offered t 55s. per cwt.; little inquiry received.

STROPHANTHUS.—Steady. 100 per cent. *ombé* is steady at 11s. to 11s. 6d. per lb. pot; *gratus*, 15s.. spot.

STYRAX.—Small supplies are offered at s. 6l. per lb., duty paid.

TONKA BEANS.—Steady. Spot quotations re at 5s. 9d. per lb. for blacks.

TURMERIC.—Firm. Madras finger on spot quoted at 117s. 6d. per cwt.

UVÆ URSI.—Spot quotations, ex wharf ondon, are around 80s. per cwt.

VALERIAN.—Easier. Belgian root on pot is offered at about 130s. per cwt.; cut, 65s. per cwt.

WAXES.—The markets have been quiet, with the exception of Dar-es-Salaam BEES' —Spot business done at 335s.; forward, 310s., c.i.f. Benguela is offered at 335s. per cwt., duty paid; in bond, 310s.; forward, 300s., c.i.f. CANDELILLA.—Spot quotations are at 380s. per cwt.; forward, 375s., c.i.f. nominal. CARNAUBA.—Prime yellow, easier at 720s., spot; shipment, 650s. per cwt., c.i.f. Fatty grey is easier at 460s.; shipment, 430s. per cwt., c.i.f. Chalky grey is 440s., spot; 415s. per cwt., c.i.f. MONTAN.—Reibeck, 300s., spot; Czechoslovak crude, 270s. per cwt. OURICURI.—1 per cent., 430s. per cwt., c.i.f. No supplies of 1 per cent. on spot. 2.5 per cent., 435s.; 6 per cent., 422s. 6d.; 9 per cent., 407s. 6d. per cwt., all spot London. SPERMACETI. — Spot quotations are unchanged at 2s. 10½d. per lb.

Essential and Expressed Oils

ALMOND.—Steady. Sweet oil, B.P., is quoted at from 5s. to 6s. 6l. per lb. Bitter essential oil is offered at from 27s. 6d. to 40s. per lb., as to quality.

ANISE.—Chinese star, in drums, is quoted at 5s. 1d. to 5s. 3d. per lb., with up to 6s. 6d. for smalls; afloat, 5s. 1½d., c.i.f.; for shipment, 5s. 2d.

CASSIA.—Spot supplies are quoted at from 13s. 6d. to 15s. per lb.; shipment firmly maintained at 10s. 6d. per lb.

CITRONELLA.—Ceylon is steady at 3s. 7d. per lb., spot, forward, 3s. 7d., c.i.f., nominal. Java on spot continues firm at 7s. 6d. per lb.; shipment is quoted at 5s. 10d. to 5s. 11d., c.i.f.

CLOVE.—Steady. Quotations for English-distilled bud oil are at from 10s. 6d. to 11s. 6d. per lb., according to quantity.

CORIANDER.—Steady. English-distilled is quoted at about 275s. per lb.

EUCALYPTUS.—Steady. Prices of 70-75 per cent. (B.P.) are from 3s. 2d. to 3s. 4d. per lb. for drums, and up to 4s. for smaller quantities; shipment, 3s. 8d., c.i.f.

LAVENDER.—Steady. French, 38-40 per cent. is offered at 15s. to 17s., spot; 40-42 per cent., 16s. to 18s. Spanish (spike), 8s. 6d. to 10s., spot.

LEMONGRASS. — Spot quotations are around 5s. 6d. per lb. with up to 6s. 6d. for smalls; shipment, 5s. 2d., c.i.f.

OLIVE.—Supplies of oil from members of the Importers' Association are made at the rate of 26s. 2d. per gall. of 9 lb., ex store, drums included. Additional charges are added for small quantities, according to costs of breaking bulk, containers, delivery, etc.

ROSEMARY.—Spanish is offered at 7s. to 9s. per lb., as to quantity and quality.

SAGE.—Spanish is quoted at from 8s. to 10s. per lb., according to quantity.

VETIVERT.—Bourbon on spot is quoted at from 65s. to 85s. per lb., as to grade.

TRADE MARKS

(*From the "Trade Marks Journal," November* 10)

"TRANSPAREX"; by Gevaert Photo Producten Naamlooze Vennootschap, Antwerp; 657,405-06. For industrial, scientific and photographic chemicals; photographic films, papers and plates (1); for photographic instruments and apparatus (9).

"FERRAXCUBE"; by Mullard Electronic Products, Ltd., London, W.C.2; 659,054-55. For scientific and industrial chemical compounds of iron (1). For scientific apparatus, etc. (9).

"GECOPHEN"; by The British Drug Houses, Ltd., London, N.1; 659,649. For industrial, scientific and photographic chemicals (1).

"KODAGRAPH"; by Kodak, Ltd., London, W.C.2; 665,334. For photographic sensitised paper and tracing-cloth (1).

"ZWIX"; by A. N. Products, Chalfont St. Giles; 665,962. For horticultural and agricultural chemicals (1).

"PURSUIT" on label design; by Jacqueline Cochran Cosmetics, Roselle, U.S.A.; 645,273. For perfume (3).

"VIRGINIA'S"; by Virginia's Hollywood Preparations (1936), Ltd., Slough; B654,840. For non-medicated toilet creams and powders, and cosmetic preparations (3).

"CZARDA"; by Luxana Sociedad Anonima, Barcelona; 661,312. "J'ATTENDRAI" in distinctive lettering; by Picot, Ltd., London, W.6; B661,622. "AU PAYS DES ETOILES" in distinctive lettering; by Parfums Thery, Greenford; 663,113. "CARLOTTA DESTINO" in distinctive lettering (word "Carlotta" disclaimed); by Carlotta Destino, Ltd., Harrow; B660,377. Device of figure; by Antoine (de Paris), Ltd., London, W.1; B663,135. "ANDANTE"; by Cosmetique Vigdor (Londres), Ltd., London, W.2; 665,721. For non-medicated toilet preparations (3).

"KAPPA"; by Tokalon, Ltd., London, W.1; 663,685-86. For non-medicated toilet preparations (3). For all goods (5).

Figure of a man; by Valay Industries, Ltd., London, W.8; 664,378. "CHUFF"; by Welton Laboratories, Ltd., Bradford; 665,311. For detergents (3).

"SNEX"; by Peel & Campden, Ltd., London, W.2; 664,280. For all goods (3).

"RAPSO"; by Fanthorne, Ltd., Connah's Quay, Chester; 665,558. For detergents and soap (3).

"FLOWINE"; by Publirex, Villefranche-sur-Soane; 650,904. For liquid pharmaceutical preparations for administration in the form of drops (5).

"PYRIBINZIMINE"; by Ciba, Ltd., Basle; B656,308. For pharmaceutical preparations and substances all containing amine preparations (5).

"SALSIN"; by Westminster Laboratories, Ltd., London, N.W.1; 659,159. "LYTONA"; by T. J. Smith & Nephew, Ltd., Hull; 664,097. "ERYTHREMIN" and ERYTHYLON"; by the British Drug Houses, Ltd., London, N.1; 672,328-29. For all goods (5).

"OPASILLIN"; by Wigglesworth, Ltd., Westhoughton; 662,435. For pharmaceutical preparations in powder form for use in the treatment of digestive ailments (5).

"PENETRON"; by G. B. Kent & Sons, Ltd., London, W.1; 663,994. For toilet brushes (21).

"GARLISOL"; by Garlic Deodorised Antiseptics, Ltd., Fairlight; 661,294. For medicinal preparations (5).

"KEBRO"; by Westminster Laboratories, Ltd., London, N.W.1; 663,606. For medicinal preparations, excluding medicated confectionery (5).

"DELFOL"; by Aktieselskabet Lagerman Junr., Copenhagen; 663,878. "KALMOZO"; by Westminster Laboratories, Ltd., London, N.W.1; 665,516. "OXIREA"; by Laboratoires Om Société Anonyme, Geneva; 665,771. For pharmaceutical preparations and substances (5).

"METHISCHOL" in distinctive lettering; by U.S. Vitamin Corporation, New York; 665,385. For pharmaceutical preparations comprising methionine, choline, inositol and liver extract powder (5).

COMING EVENTS

Monday, November 29

ISLE OF THANET BRANCH, PHARMACEUTICAL SOCIETY, Lancaster Hotel, Western Esplanade, Broadstairs, at 7.30 p.m. Mr. H. B. Sear (Crookes Laboratories, Ltd.), on "Background to Vitamins" (illustrated by film strip).

Tuesday, November 30

WALLASEY PHARMACISTS' ASSOCIATION, Hotel Victoria, New Brighton, at 8 p.m. Mr. G. A. Stephens (The British Drug Houses, Ltd.), on "Sex Hormones and their Clinical Application."

Wednesday, December 1

LINCOLN BRANCH, NATIONAL PHARMACEUTICAL UNION, Grand Hotel, Lincoln, at 3 p.m. Annual meeting.

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Duke of Cornwall Hotel, Plymouth, at 7 p.m. Dinner and dance (attended by president of Society and Lord Mayor of Plymouth).

WEST SOMERSET PHARMACISTS' ASSOCIATION, Castle Hotel, Taunton, at 7.15 p.m. Mr. C. Beaven, Ph.C., A.R.I.C. (Parke, Davis & Co.), on "The Riddle of Allergy."

BATH BRANCH, PHARMACEUTICAL SOCIETY, Pump Room, Bath, at 7.30 p.m. Mr. W. Cooper, Ph.C., on "The B.P., 1948."

Friday, December 3

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION, Carpenter's Restaurant, 3 The Pavement, London, S.W.4, at 7.45 p.m. Address by Mr. H. Noble, B.Pharm., Ph.C. (deputy secretary, National Pharmaceutical Union).

THE PHARMACEUTICAL SOCIETY OF IRELAND is holding its annual dance in aid of its Benevolent Fund at the Gresham Hotel, Dublin, on Tuesday, December 7. Tickets (15s. each) may be obtained from Mr. David Murphy (secretary of the dance committee), c/o the Society, 67 Lower Mount Street, Dublin.

WIMBLEDON PHARMACISTS' ASSOCIATION is holding a dinner and dance at Zeeta House, Putney, on Wednesday, December 8, 6.30.-11.30 p.m. Tickets (price £1 1s. each) may be obtained from Mr. F. C. Wilson, 23 Worple Road, Wimbledon, or from Mr. H. J. Newitt, 22 Woodlands Avenue, Worcester Park.

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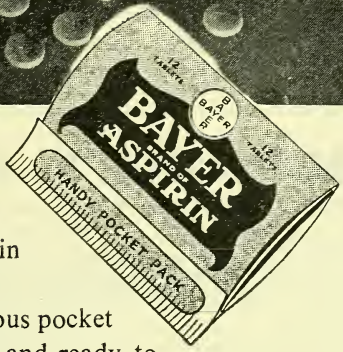

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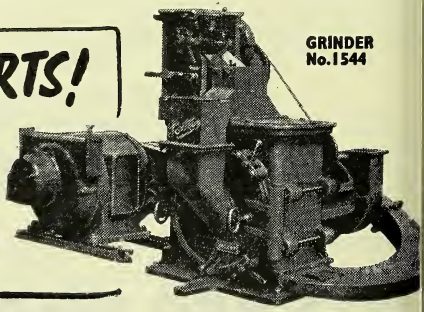

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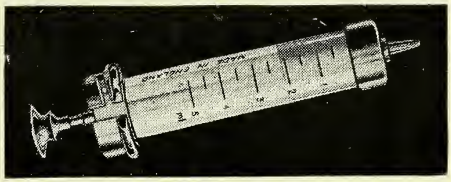

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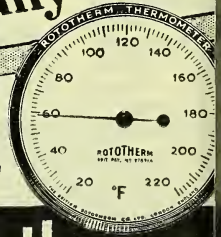

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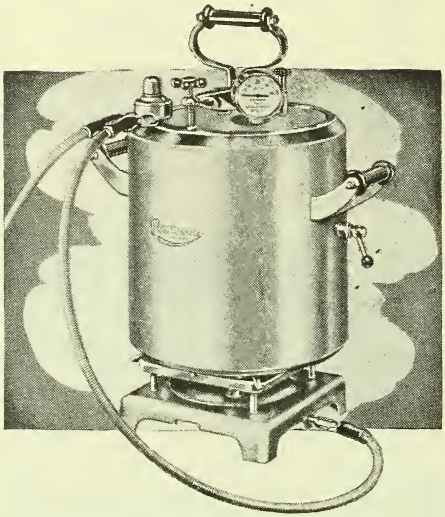

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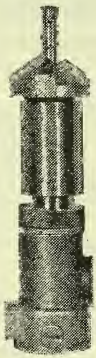

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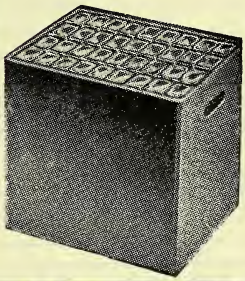

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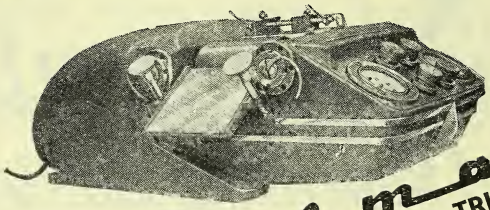

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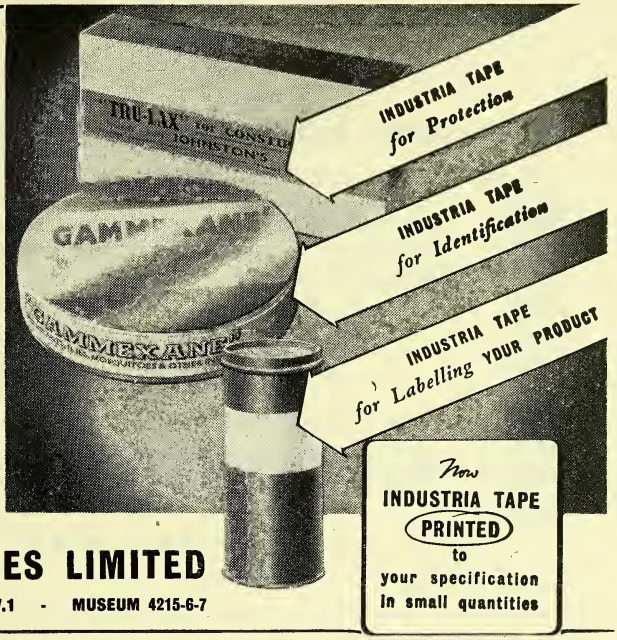

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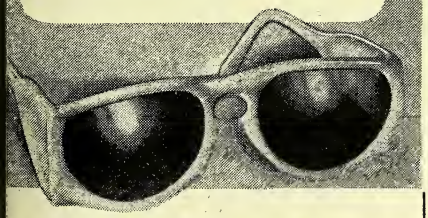

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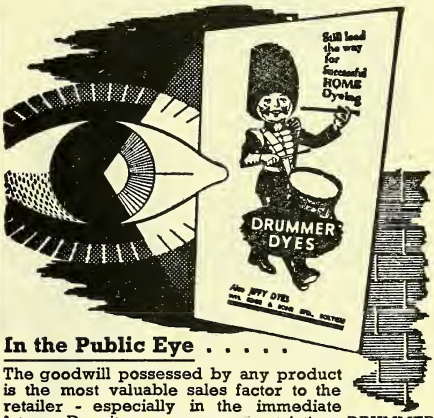

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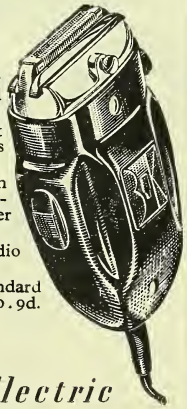

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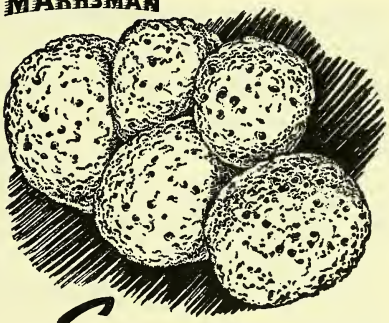

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is always in demand as it is a standard product, controlled by Bio-assay tests.

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Parasiticide and Insecticide in liquid form destroys all kinds of noxious insects:—

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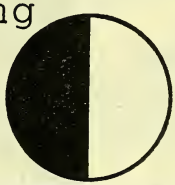

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* *From Hulton Readership Survey*, 1948.

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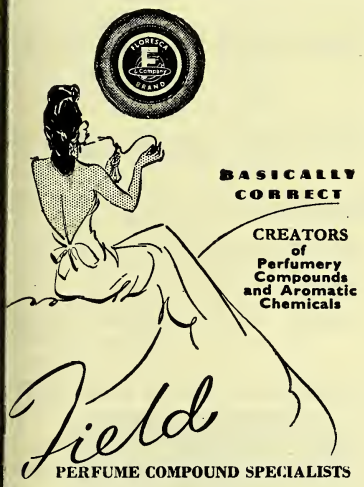

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for the speedy relief of Headaches, Neuralgia, Neuritis and all Nerve Pains.

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The Mentho', Oil of Mustard Chest Rub

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There is always an increased demand for Winox during the colder months, and good stocks will enable you to meet the need promptly. Winox is a British Wine with added meat and malt extract, and has been recommended by doctors and nurses for over 30 years. It is particularly useful at this time.

An attractive showcard is available on request.

Sole Distributors:
BROOKS & WARBURTON LTD
232 VAUXHALL BRIDGE ROAD
S.W.1

WINOX

Registered Trade Mark

BEAUFOYS WINES LTD., KINGSTON, SURREY

'CONTENTA' GRIPE MIXTUR
***for* BABIES**
"The label sells it"
BLACKWELL HAYES & CO. LTD., *Wholesale Druggi*
54-58 MOOR STREET, BIRMINGHAM, 4

Lines you can sell

Col sloot Rock St.cks, Menthol and uor ce Pellets 4½d. pkts., Pepper Lozenges 3d. & 6d. pkts. Ment cule enges 9d. cartons. All no Points. Enq for our Keenest Pr ces for Distribu and Retail Trade for above and Sacch and Sweetening Tablets.
LEVER, BRAILSFORD & CO. LTD. RADCL M HESTER. Tel. : Radcliffe

RECOMMENDED FOR NERVE

DR. NIBLETT'S
VITAL RENEWER
NERVE SEDATIVE

for 70 YEA
Retail pri 6/- per bot includi purchase t

TRADE DISCOUNT 33⅓%

C. P. NIBLETT (Est. 1870)
10 LICHFIELD TERRACE, RICHMOND, SURREY
Telephone: RIChmond 3221

200,000 Ready-made Customers

NOW TO BE DIRECTED TO CHEMISTS

For the past 12 years Dr. Janssen's Herbal Tablets have enjoyed direct sales to the public now numbering over 200,000. The demand to-day is such that sales through the usual Retail channels of distribution have become essential and this vast, ready-made market is now available to Retail Chemists all over the country.

A big and sustained advertising campaign in the National, Sunday and Provincial Press will announce the change-over, divert sales to the Retail and foster demand.

FORMULA	Normal %
Ext. Cascara Sag. Sicc. B.P.	25.625
Ext. Aloes B.P.C. - -	7.500
Ext. Leptandra B.P.C. -	2.083
Ext. Gentian B.P. - -	3.750
Ext. Taraxaci B.P.C. - -	7.500
Cerevis, Ferment. SICC. -	38.541
Mrryh. B.P. - - -	2.083
Lecithin (Ground Nut) -	3.750
Oleoresin Zingib - -	0.958
Base to - - - -	100.00

RE ARE TWO SPECIAL PROFIT INTRODUCTORY BONUS OFFERS

BONUS PARCEL A

	Cost	Selling
doz. 2/6 Dr. Janssen Tablets	16/-	24/-
only 2/6 „ „ „	Free	2/-
s you 38.4% NETT PROFIT	16/-	26/-

BONUS PARCEL B

Two doz. 2/6 Dr. Janssen Tablets	32/-	48/-
½ „ 5/11 „ „ „	19/6	29/-
¼ „ 5/11 „ „ „	Free	14/6
Gives you 43.7% NETT PROFIT	51/6	91/6

excluding purchase Tax

k your order simply A or B parcel. It can go through your usual wholesaler if desired

Janssen's Herbal Tablets are packed in small and attractive display cartons. parcels over £1 carriage free.

DR JANSSEN'S HERBAL TABLETS

SOLE DISTRIBUTORS

HARRY A. PENNEY (DISTRIBUTORS) LTD.

Barclays Bank Chambers, Kendal, Westmorland

CASH IN THE TILL — *from*

HEATHERCLEAN

The herbal aperient for every member of the family, young or old. It needs no preparation.

We offer this quick-selling line on profitable terms. Pending representative's call, write for particulars to:—

Heath & Heather Ltd.

HERB SPECIALISTS. ST. ALBANS, HERTS.

Surgical & Manicure Specialists Ltd

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We manufacture all kinds of:-

SCISSORS · TWEEZERS · FORCEPS · NAIL & MANICURE FILE

In Stainless Steel—Nickel Plated and Chromium over Nic

Our order books are full for some time ahead, and immediate delive cannot be promised. We shall, however, welcome your enquiries for forw deliveries. *(WHOLESALE ONLY SUPPL*

The remarkable success of the "Cr way" Corn Plane is due to the principle involved. The angle of blade is the secret. This new profitable line only needs showing SELL!

DISPLAY CARD OF 18

Individually packed in cartons

RETAIL **2/3** *PRICE*

15/4 per doz. plu Purchase Tax

Usual discount t Wholesalers

Sole Distributors:

CRAIG & PARSONS LTD., 82, Stafford Road, Wallington, Sur

Phone: Wallington 3694

FOR EVERY MONTH OF THE YEAR

"ZEMS"
HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLETS FOR
COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F. Wholesale Houses

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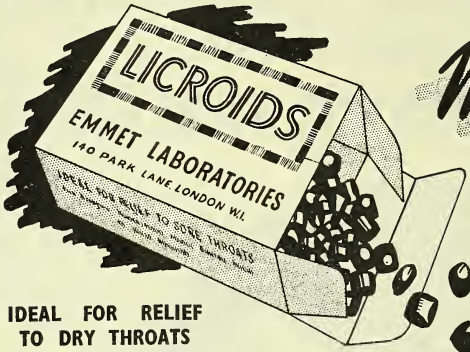

Meet the Seasonal demand

IDEAL FOR RELIEF TO DRY THROATS
for SINGERS, PUBLIC SPEAKERS, ATHLETES, etc.
Quenches thirst !

RETAIL
4½d. per packet
TRADE
28/6 per gross
Plus P.T.

LICROIDS

LIQUORICE AND MENTHOL PELLETS

Sole Distributors :
EMMET DISTRIBUTING COMPANY LTD.
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ATTRACTIVELY PACKED IN DECORATED TIN BOXES CONTAINING 6 PLASTERS OBTAINABLE FROM YOUR USUAL WHOLESALER

WM. MATHER LTD.
MANCHESTER 15

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DRUGS & GALENICA

ETHICAL PROPRIETAR

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(Chemists) Ltd.
SIDNEY ST., SHEFFIELD
Phone: 24321

Keep these EUCRYL prices for easy reference

DENTIFRICES — bonus one to the dozen for Window Displays.		Retail Price including Purchase Tax	Net Price to Retailers excl. Purchase Tax
Eucryl Toothpowder	(small)	9d.	5/3
,, ,,	(large)	1/3	8/5
Eucryl Denture Powder	(small)	9d.	5/3
,, ,, ,,	(large)	1/3	8/5
Eucryl Toothpaste		1/3	8/5
Eucryl Dental Plate Fixative	(small)	1/- No. P.T.	8/5
,, ,, ,, ,,	(large)	2/6 ,, ,,	21/-
OTHER LINES			
A.S.K. (Antiseptic Skin Cream)		2/9	18/-
A.R.O. (Anti-rheumatic Ointment)		2/9	18/-
Lysol Disinfectant	(4-ozs.)	—	5/9
,, ,,	(8-ozs.)	—	9/9
,, ,,	(1 Gal.)	—	10/9
LUCE'S PERFUMERY			
Luce's Eau-de-Cologne, and Luce's Lavender Water	(1-oz.)	3/4	16/-
	(2-ozs.)	5/10	28/-
	(4-ozs.)	10/10	52/-
Luce's Flower Perfumes Gardenia, Jersey Lily, Lilac, Jersey Heather, Violet, Oregon	(½-oz.)	4/2	20/-
	(1-oz.)	7/6	36/-
	(2-ozs.)	12/6	60/-
Luce's Soapless Shampoo	(4-ozs.)	1/10	12/-
Luce's Talcum Powder		2/6	12/-

We regret that the following minimum parcels have become necessary owing to the extreme shortage of packing materials and increased carriage :—

EUCRYL DENTIFRICES :—	30/- net. ex. P.T.—single or assorted.
LYSOL DISINFECTANT :—	6 dozen 4-oz. size, 2 dozen 8-oz. size.
A.S.K. — A.R.O. :—	No minimum.
LUCE'S PERFUMERY :—	Orders over £2 net.
LUCE'S SHAMPOO :—	1 doz. & free display
LUCE'S TALCUM POWDER :—	30/- net. ex. P.T.

No min. if added to a dentifrice order

EUCRYL LTD.

7-9 OAKLEY ROAD SOUTHAMPTON

ORDER IN TIME

FRULIGAR
Garlic Mixture for COUGHS

RETAIL PRICES 1/6 & 2/9
including Purchase Tax

CUPAL MARGINS AND DISCOUNTS

CUPAL LTD., *Manufacturing Chemists*, BLACKBURN

IBCOL *gives you* BIGGEST *advertising coverage!*

★ **The STATISTICAL REVIEW shows that during the period of the last nine months — from August 1947 to April 1948 — IBCOL was the biggest advertiser in the field of disinfectants and germicides. IBCOL backs up your own window and counter displays with National and Local press advertising, posters on Hoardings and Buses, display cards on Tubes, etc.**

That's why it pays to display* IBCO *products — They sell on sight!

IBBETSON · STEVENAGE · HERTS

with high organically combined sulphur content.

Other Asmidar Specialities include:

GLUTONINE (Asmidar)

Strychnine Gluconate — Gives prolonged action with decreased toxicity. Boxes 8 x 1 c.c. ampoules 0.002, 0.0035, 0.005 gm.

ASMIDAR ANTI-RHEUMATIC Ointment

Non Greasy, Non Staining Analgesic
Size ¾ oz. Tubes.

Also—Piperazine (Asmidar) and Sulphazol Cream (Asmidar). Literature and information gladly supplied on request.

ASMIDAR LTD
16 DOUGLAS STREET, LONDON, S.W.1
Telephone: VICTORIA 5556

THE WHOLE FAMILY

PECIALLY THE CHILDREN

LOVE THE HONEY IN

. . and it's good for them. A formula you an positively approve . . . well-known for s quick soothing action . . . supported by esponsible advertising reaching 20,000,000 eaders . . . *and of course 'Pineate' can e included with other I.C.C. lines to ualify for Co-operation Discounts of 2½% on orders of £10 and over; 10% n orders of £5 and over.*

Trade Terms: 13/9 per doz.
Pur. Tax 4/7 per doz.
Retail at 1/11 (*including tax*)

Pineate
Trade Mark
HONEY
Cough-Syrup

ERNATIONAL CHEMICAL CO. LTD., CHENIES STREET, LONDON, W.C.1

Dr. J. Collis Browne's Chlorodyne and The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMIST

PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors:

J. T. DAVENPORT LTD.

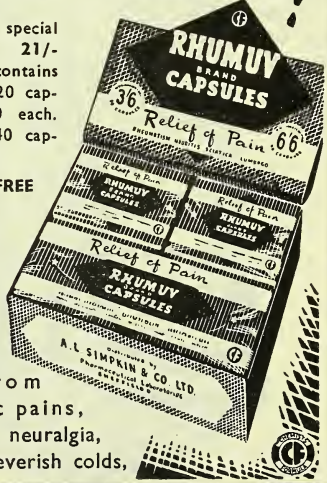
UNION ST., LONDON, S.E.1

P.A.T.A.

Here's a winner!

This attractive special display outer 21/- (inc. P. Tax) contains six boxes of 20 capsules at 3/10 each. One box of 40 capsules at 7/2.

POSTAGE FREE



Relief from rheumatic pains, headaches, neuralgia, influenza, feverish colds,

Simpkins of Sheffield

3 OUTSTANDIN LINES — *produced the makers of* STANESE

GOLDEN PAIN RELIEVING TABL

'STANVOX' T.C. PASTILLES
for Throat and Chest in 1/1½ tins and 5 lb. tins in bulk.

'STANVOX' THROAT MINT GUMS
another good line in 1/- tins and 5 lb. tins in bulk.

'STANVOX' LIQUORI and MENTHOL PELLE
in 3½d. tins, packed in gross boxes.

Send NOW for terms and trial su

STANESE, LTD
86 Bridge Street, Peterborou
Phone: Peterborough 3302

New Va£ues . . .

In response to the national call for a lowering of living costs, we are pleased to announce a reduction in price of all our well-known lines, to be effective on and after May 3rd, 1948. We have always aimed to supply the finest possible product at a price which is competitive, and in making this announcement of our reduced prices, we would stress that the quality of St. Andrew Mills productions remains as high as ever. Amended price lists showing purchase tax and profit margins will be sent willingly on request.

St. Andrew Mills reduce prices

ANDREX 1/0½D. PER ROLL	ANDROL 1/1½D. PER ROLL	STANEX 1/- PER ROLL
MARVO 9½D. PER ROLL	SAMARITAN 8D. PER ROLL	ANDREX PAPER KITCHEN TOWELS 1/9D. PER ROLL

★ *All above prices are retail and include purchase tax.*

WHOLESALE ONLY

ST. ANDREW MILLS LTD.

WALTHAMSTOW, E.17 *Tel : Larkswood* 1014·5·6

We regret that demands still exceed available supplies

Here's what to sell for Christmas

Baby Lotion ☆ Baby Powder ☆ Baby Crea ☆

When there's a baby in the home presents come pou in. People wonder what they can give that's n different and useful. Johnson's Baby Gift Box— gay, so wonderfully fresh in its transparent wra —makes an instant appeal. When eagerly opene contains a beautiful presentation card *and* the th essential Johnson products for baby skin care—B Lotion, Baby Powder and Baby Cream. So give Gift Box a big display—it's a good opportunity to b three-in-one sales. Send your order as soon as you direct to Johnson and Johnson because supplies wil limited and demand will be lively.

Johnson's Baby Gift Box *Retail Price 8/6 inc. tax (usual trade terms)*

JOHNSON & JOHNSON (GT. BRITAIN) LTD., SLOUGH & GARGR

STOCK THIS TOOTH PASTE!

Everybody will like this new tooth paste with the extra strong peppermint flavour that lasts.

ATTRACTIVELY PACKED IN ONE DOZEN. DISPLAY OUTER.

Generous profit margin. Steady Advertising planned.

PER TUBE **1/9** INCL. P.T.

All enquiries and orders to:—

DENTOMINT LIMITED
14 BLENHEIM TERRACE
ST. JOHN'S WOOD, LONDON, N.W.8
Telephone: MAIDA VALE 8061/2

Heading for Speedier Sales!

News! Increased advertising is spreading the story of BIOCRIN—the proved Shampoo-Reconditioner. Through more magazines more women are learning about this health-and-beauty treatment.

A Large Profit Margin and Regular Clientele For You!

Retail Sizes 18/6 and 30/- per dozen (plus 33⅓% tax) retailing at 3/- and 5/- each

Biocrin pomade shampoo

A product of Vine's Biocrin Ltd., London, W.2

CLAIRE PLASTIC MIRACLE CURLERS are used by all High Class Hairdressers because they are different from any other curlers with their special Rubber Bands which enables such springy manageable curls. Also included in the set is Finishing Lotion and End Tissues, together with full instructions.

500,000 WOMEN say CLAIRE HOME PERM *HAS COME TO STAY*

Because it contains everything a woman needs to keep her hair beautifully and permanently waved.

CLAIRE LIQUID WAVING SOLUTION has been tested and approved by the profession and passed with High Honours.

CLAIRE SPECIAL SHAMPOO is made from an exclusive and special formula to obtain the best perm.

CLAIRE HOME PERM display cartons guarantee new business and repeat business. NATIONAL and PROVINCIAL PRESS advertising plus Magazine, Posters and Cinemas now in course of planning.

SPECIAL OFFER to Retail Trade—13 to dozen, plus generous profit margin.

Wholesalers and Distributors write now for details and price list to :—

AKOS COLD WAVE LTD., 106 Regent St., London, W.1

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OPTICAL TUITION

For the S.M.C., B.O.A., I.C.O., and N.A.O. DIPLOMA Examinations

Particulars:—

C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., D. Opt. F.C.O., M.P.S.

50 HIGH STREET, BARNET, LONDON, N.

PRE-PACKING & LABELLING

(We can now accept fresh orders)

LIQUIDS: From Bulk into any size bottle from ½ oz.

POWDERS & TABLETS: Mixed and packed to customers Specifications.

J. H. WISEMAN & CO. LTD.

100 Blackstock Road, Finsbury Park, N.4.

Roll Film

FULLY GUARANTEED AND ATTRACTIVELY PACKED IN OUR OWN CARTONS

PRICES—

" 20 " Sizes—£17/10 per gross (Incl. Purchase Tax)

27 Size—£14/10 per gross (Incl. Purchase Tax)

Immediate Delivery—Carriage Paid

TERMS—Pro-forma invoice or cash with order

FOCUS LTD. 40 Sackville St., Piccadilly, London, W.1

Telephone MAYfair 2285

FOR SALE

REGULAR SUPPLIES OF ZINC OLEATE, MAGNESIUM STEARATE, SODIUM HYDROSULPHITE, BLEACH POWDER

'PHONE GULLIVER 3506 FOR DETAILS

FOR SALE

GLYCERYL MONO STEARATE, odourless and tasteless No.1 Food quality. *Surplus Production.* GLYCERIN, STEARIC ACID and other Chemicals. *Box 5/132*

SMASH & GRAB RAID — PICCADILLY — 3rd NOVEMBER — 10 a.m.— FRONT WINDOW SMASHED — 3.15 p.m. — SAME DAY — GLASS REPLACED

Insure with the Company that maintains its own replacement organisation

NATIONAL PROVINCIAL INSURANCE Co. Ltd.

3 ABCHURCH YARD, CANNON STREET, E.C.4

Telephone: MANSION HOUSE 3377

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POWDERS — LIQUIDS

TABLETS — PASTILLE

Packed under expert supervision. Cellulose bags, cards, labels, supplied if required.

MAXILIN MARKETING CO. LT

Sharples Vale · BOLTON

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We offer a full service of Perfumery facture and packing. Supplied in bu packed. Printing and Carton making, ding Fancy Boxes for Xmas. Stock Perfu labels and Chemists labels specially p Glass-ware. Medicals and Perfumery, ex 6 oz. Medical for 17/8d. per gross.

LENNARD, LEE-NARVILL & CO.

Anlaby Road, HULL, Yorks.

Regular and Continuous supplies of BOT & JARS, from 1-oz. to 16-oz., direct Manufacturers.

Enquiries to—

ELESCO MANUFACTURING CO. L

5, PHILPOT LANE, E.C.3.

***2 oz. Sticks* TURKISH LIQUORICE J**

in 4lb. cartons, each stick separate wrapped. 4/10½d. lb. ex warehou

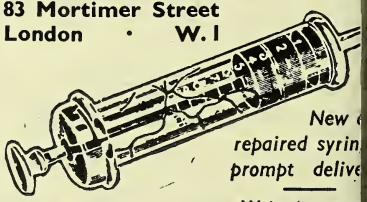
DAVID HARRIS & SON LTD.,

Abbey Mfg. Estate, Mount Pleasant, Alperto

EDWARDS SURGICAL SUPPLI

83 Mortimer Street

London · W. 1



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Write for term

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Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2
ne: Central 6565 (10 lines) Telegrams: "Chemicus, Estrand, London"
Classified Advertisements must be prepaid. For rates see sectional headings

ORRIDGE & CO. (Established 1846)

r SALES, PURCHASES, VALUATIONS, STOCKTAKING *and* ASSESSMENTS

Essex, Few Miles Out. Good-class business, ver for fifteen months to March last approxi- y £3,090. Single-fronted shop, large dis- ry and stock room. Modern oak fittings. ars' lease. Price required £800 for goodwill, stock and fixtures at valuation. Further s upon application.

London, Eastern Suburb. Chemist and optical esses for disposal occupying opposite corner ons. Well established. Increasing turnover tical business, scope for increase in chemist's ess. Living accommodation at both pre- . Good leases or freehold of one concern l be sold. Price of goodwill of two busi- and lease of one £3,000 plus stock and gs at valuation. Fuller details on applica-

Kent. Retirement vacancy. In present hands ears. Turnover about £4,000 per annum. . New lease. Price for goodwill and fix- , £2,000 or near offer. Stock at valuation.

4. London, South-East. Dispensing and family business, approximately 1,000 scripts per month, increasing turnover for general business. Living accommodation comprises 4 rooms and kitchen-bathroom, small garden. Price required £2,000 or near offer for goodwill, stock, fixtures and freehold property.

5. Bedfordshire. General retail business with sub-Post Office. Turnover approximately £3,846 per annum plus Post Office remuneration of £550 per annum. Good living accommodation. Price required £3,850.

6. London, East End. Family business in busy main road. Turnover approximately £7,005 per annum. Good living accommodation available. Price required for goodwill and fixtures £3,000 plus stock at valuation, estimated at about £1,000.

7. Wimbledon, Near. Drug store with freehold property for disposal. Scope for dispensing. Very nice living accommodation. Premises £2,500. Goodwill £600. Stock and fixtures at valuation.

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elephone: TEMPLE BAR 9212/3—6340 Telegrams: Orridgchem Estrand, London
Branch Offices: 36 Cannon St., Birmingham, 2. Phone: Midland 6547
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ls 8/6 (minimum) then 3d. per word. Box 2/-

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Well-Established
MANUFACTURING CHEMISTS' ORGANISATION
th profits exceeding
£20,000 per annum

Reply to Accountants, BOX 5/198

STORE, main road suburban East London. £150 weekly. Room and scope for chemist- etc. Goodwill and fittings, £2,000. Stock e. Box 5/212. Will advertiser kindly supply and address to this office.

OLD-ESTABLISHED PROVINCIAL BUSINESS of manufacturing and wholesale chemist situated in S.E. England for sale as going concern. Limited company holding valuable lease and first-class accounts. Sale would include stock, fixtures, plant, machinery, goodwill and motor vans. Would consider amalgamation. Further particulars in confidence to principals only on receipt of banker's reference. Box 5/191.

SHOP with flat over premises. Suitable for chemists. Lease over 80 years at rental of £75 per annum. Premium required £2,000. Ray & Co., Station Approach, Sidcup, Kent. Foo 2648.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947

SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

ARMY & NAVY STORES, LTD., require dispensing assistants (men and women). Hours 8.45 a.m. to 5.30 p.m. Saturday 1 p.m. Apply by letter, stating experience, age and wages required, to Staff Manager, 12 Artillery Row, S.W.1.

BERKSHIRE. Unqualified assistant, experienced in dispensing, required immediately. Unfurnished accommodation with modern arrangements available. Apply Hickman & Son, Dispensing Chemists, Ltd., 21 Market Pl., Newbury.

Situations Open—Continued

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £8 15s. and £10 5s. Metropolitan District £8 7s. 6d. to £9 17s. 6d. Provinces £8 to £9 10s. (Female) Central London £8 5s. to £9 15s. Metropolitan District £7 17s. 6d. to £9 7s. 6d. Provinces £7 10s. to £9 according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurances, etc. There are also a number of vacancies for unqualified assistants fully trained in the business and including those dispensers who have been released by doctors, etc. Good remuneration with a view to permanency, pension scheme, etc. A bonus is paid to all staff engaged in dispensing. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience and districts preferred.

CHEMIST requires lady assistant with Hall certificate. London north area. Hours 9-6. Apply Box 5/177.

DERBY CO-OPERATIVE PROVIDENT SOCIETY, LTD., have vacancy for a young qualified assistant (lady or gent.). Duties mainly dispensing. Well-equipped, separate premises; other dispensing staff employed. Any rota services shared. A congenial attractive position is offered to suitable applicant. Apply by letter, giving full particulars, to Secretary, Albion St., Derby.

HALL & KING of Folkestone have the following vacancies: (a) Experienced qualified assistant, (b) experienced dispenser. Apply in first instance to 36 Grosvenor Gardens, London, N.14. Laburnum 2566

HEPPELLS require qualified manager for West End branch. Permanent position. Pension Scheme available. No holiday or Sunday duty. Saturday half-day. No accommodation available. Application with full details to Superintendent Chemist, 70 Vauxhall Bridge Road, S.W.1.

KENT. Unqualified dispensing assistant required in Canterbury by Timothy Whites & Taylors, Ltd. Good prospects; pension scheme; permanency. Apply to District Manager, 19 Allington Way, Maidstone, Kent.

LONDON, S.E. Unqualified assistant required for family business; must be an accurate dispenser. Good prospects. Please give full details of previous experience and age, to Box 5/161.

MAIDA VALE and St. Johns Wood. Two unqualified dispensing assistants required. John Keall, Ltd., 241 Elgin Ave., W.9.

MANCHESTER SOUTH SUBURB. Phamacist, either sex, for old-established pharmacy with good-class dispensing. No extra duties. State salary and full particulars to Box 5/185.

MANAGER WANTED to take full control and develop established business of London merchants. Applicants must have thorough experience in chemicals, shellac, edible and technical oils, glue, gelatine, size or similar merchandise. Must be capable of buying and organising sales mainly on the Home Market. Excellent prospects for man with the necessary business acumen and proved ability. Applications in confidence. Box 5/202.

NORTH LONDON. Unqualified assistant with dispensing experience required for busy pharmacy. Good commencing salary plus participation in N.H.S. remuneration. The position would be well suited to a North Country man desiring London experience. Please write initially under guaranteed assurance of confidence to Box 5/159.

PONTEFRACT. Pharmacist required as manager. A sound, permanent position offered to willing and capable person. Modern semi-detached house available. Write immediately stating experience, wage required and when available. C. Edwards, 3 St. Helen's Rd., Doncaster.

OPTICIAN (or pharmacist-optician) very urge required to manage optical department in N Country market town. Old established busy op practice. On C.P.C. List and preferably F.S.M or F.B.O.A. Good salary and permanent posit State experience and earliest date available. Gi & Son, Chemists & Opticians, Hexham, North berland.

ORRIDGE & CO., Employment Agency, 184 Str W.C.2. Temple Bar 9212/3. Branches at So ampton and Birmingham. Enquiries invited f pharmacists and unqualified persons requiring si tions. Many attractive vacancies available. cellent opportunities existing in progressive manencies. Locums provided for. No charg employees except registration fee. Apply to Strand, W.C.2, in first instance.

PHARMACIST. Excellent opportunity for ex enced man manage good-class dispensing pharm Kensington. Good salary and commission. A "J." c/o Box 5/79.

QUALIFIED. Malton Yorks. Small country ket town. Large modern shop, flat over. M. son war casualty. Proprietor, 71, needs gradually take charge. Please state exper age, salary, when available. Interview our expe Laverack, Market Pl., Malton.

STOCKTAKERS required for duties in various tricts. Applicants must possess retail experi and an up-to-date knowledge of prices, etc. A cations are invited from men below the ag 50, who are resident in the London area. mingham district or in Lancashire. The posi offer good scope and opportunities in return conscientious and intelligent service. All re treated in strict confidence. Box 5/160.

UNQUALIFIED DISPENSER required. Apply letter to H. E. Bailey, 64 Highgate High St., don, N 6, giving details of experience, salary quired and age.

UNQUALIFIED experienced assistant; must be trained in dispensing. West London. Apply 5/147.

RETAIL (OVERSEAS)

HONG KONG. Required by a leading comp a young pharmacist. Wholesale and manufactu experience an advantage. Engagement under years' agreement with commencing salary allowances around £800 per annum. Full infor tion furnished applicants on receipt of detail experience, education and other personal par lars. Box 5/203.

SOUTHERN RHODESIA. Fully qualified M. required on 4-year contract. Excellent pros for single man age 25-35. Reply, stating quali tions and salary required, to Box E 692, Streets, 110 Old Broad St., E.C.2.

WHOLESALE

A VACANCY EXISTS

on the Representative Staff of The Chas. H. Phillips Chemical Co. Ltd., 179 Acton Vale, London, W.3.

The territory, upon which the man appointed must reside, comprises Notts., Leics., Derby., and Lincs. Wide experience in retail pharmacy and a knowledge of therapeutics are necessary qualifications for this progressive situation. Please give fullest particulars, in confidence, of experience and state age.

Situations Open—Continued

'S AND TRAVELLERS, calling on wholesale ail chemists, wanted to handle established tary medicine, on generous commission basis. ve territory offered. Write fully, stating covered, to J. M. Wotherspoon & Co., Deneuron Department, 194-200 Bishopsgate, n, E.C.2. Phone Bishopsgate 3748.

LD-ESTABLISHED London house require a qualified assistant chemist, capable of con- routine analysis of products, and super- of poison. Write, giving full particulars of perience and salary required. Box 5/163.

CATIONS INVITED by old-established manu- rs of disinfectant and agricultural and horti- products for a traveller to work under sales representative covering London and uth of England. Salary and expenses basis. opening for keen worker. Write, stating articulars of education and business experi- Replies treated in confidence. Box 5/208.

ANT with some pharmaceutical experience d for pill department of manufacturing s in London area. Apply with full particu- d salary required. Box 5/165.

CATIONS are invited for the position of sales manager in one of the leading cos- houses with a factory in Greater London he responsibilities cover home and export iso office management, and call for a man ure, initiative and proven ability in a simi- acity, although not necessarily in the cos- ndustry. Strictest confidence will be observed plicants should state, in first instance, salary d, and give full details of previous experi- ong with any other information of a per- character which may assist in making a n. Present employees of the organisation been advised that this advertisement is ng. Letters should be addressed to the ng Director, Box 5/180.

LE AND ENERGETIC REPRESENTATIVES ood sales experience required for 1. Western North Riding, Yorks; 2, East Riding, 3, Suffolk. 4, Northern Somerset. To take isting connection with farmers. We manu- animal medicines, mineral mixtures, insecti- nd kindred products. Applicants must pos- car. Good income available for really able end full details, in confidence, to Walter & Co., Ltd., Wellington, Somerset.

ST required to take charge of experimental cturing department in Greenford area. ic qualifications not essential. Some know- l textiles an advantage. Good prospects. lars to Box 5/171.

STS' WHOLESALERS with unusual lines re- first-class go-ahead representative in East- unties, North of Thames. Resident in or ssex preferred. Live wire salesman will be alary, commissions, bonuses, expenses. Apply 113.

O EXPANSION of business, necessitating ter- reorganisation, remunerative and congenial ments with exceptional prospects are offered usiastic and thoroughly experienced repre- es by manufacturers of superbly packed ceutical specialities in popular demand. rth London and Middlesex; (2) South Lon- rrey and Kent; (3) Midlands (Derby, Notts, r, Warwick, Northants). Applicants must ng and well-established connections amongst nd wholesale chemists, Co-ops., and stores. n advantage. All applications containing information, in confidence, will be con- and acknowledged. Age, exact area covered quency of calls to be included. Box 5/186.

The Institute of Chemists-Opticians,
2 Clements Inn, Strand, W.C.2

For Syllabuses of the Institute's Examinations and all further information, write to the Hon. Secretary, J. Ross-Mansell, Ph.D., B.Sc.

EXPERIENCED TABLETER required, capable of taking charge of department, with thorough knowledge of all branches of the trade, including rotary and single punch machines; also sugar-coating plant. Five-day week. Write, stating age, experience and salary required, to Box 5/50.

FIRST-CLASS proven salesman required by national distributors of well-advertised medical, medicated, toilet and perfumery proprietaries (1) for the county of Yorkshire, (2) for the counties of Northumberland, Durham, Cumberland and Westmorland. Only men with first-class selling record, proved sales ability, highest integrity and not less than 10 years on the ground need apply. Liberal salary and commission to right men commencing 1st January. Permanent posts, subject six months' probationary period. Promotion and profit-sharing offered after 12 months' satisfactory service. Write fully, in first instance, to Box 5/210.

FIRST-CLASS proven salesmen required by national distributors of well-advertised medical, medicated, toilet and perfumery proprietaries. Applications invited for each of following areas: (1) Northern Ireland; (2) South Wales and South-west peninsula; (3) Eastern counties North of Thames—from London postal boundary North to Wash and all territory East. Only men with first-class selling record, proved sales ability, highest integrity and not less than 10 years on the ground they apply for, need apply. Liberal salary and commission to right men. Appointments will commence 1st January. Permanent post, subject to six months' probationary period. Promotion and profit sharing offered permanent men after 12 months' satisfactory service. Write fully in first instance, to Box 5/170.

LABORATORY TECHNICIAN, unqualified, with considerable experience of bacteriological assay, required for work in antibiotic assay laboratory at Ulverston. Please apply in writing, to Personnel Manager, Glaxo Laboratories, Ltd., Greenford, Middlesex.

LONDON AND HOME COUNTIES, South of England, South Wales. Live representatives with sound connections with retail chemists who wish for a good additional line, on commission only, are invited to write to Thornton & Ross, Ltd., Linthwaite, Huddersfield, the makers of Zoflora, the perfumed disinfectant.

LONDON SUNDRIES HOUSE reorganising sales force requires well-introduced representatives for the London areas. Extensive existing accounts to be handed over. Car owners. Salary, expenses and/or commission. Write stating full details, past earnings, experience, remuneration required, Box 5/196.

MIDLAND REPRESENTATIVE, resident, required sell photographic equipment, accessories, to retailers for well-known London firm. Sound knowledge photography essential. Inside correspondence staff resident London also required. Box 5/181.

MANUFACTURERS of fine cosmetics, full range, require representatives calling on high-class stores for most areas. Liberal commission basis only. Box 5/111.

OLD-ESTABLISHED cork manufacturers require representatives already calling on chemists and druggists, in various parts of the country. Commission basis only. Good connections essential. Reply to Box 5/199.

Situations Open—Continued

PHARMACIST. Young, energetic and team worker required by well-known manufacturers of ethical products for progressive position in their sales and propaganda department. Apply, stating age, qualifications, experience and salary, to Ciba Laboratories, Ltd., Horsham, Sussex.

QUALIFIED ANALYST required for analytical research in connection with pharmaceuticals. The position is permanent and pensionable (contributory scheme) and carries good prospects of personal advancement. Initial salary according to qualifications and experience. Five-day week, canteen services. Please apply in writing, stating age, qualifications and experience (confidential) and quoting reference No. 2123, to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

QUALIFIED CHEMIST (Ph.C., B.Ph. or equivalent preferred), required for pharmaceutical department of well-known London firm. Knowledge of tablets, ampoules, etc., an advantage. Reply, giving details of experience and salary required, to Works Manager, Box No. S. 3336, T. G. Scott & Son, Ltd., Talbot House, 9 Arundel St., Strand, W.C.2.

REPRESENTATIVE, experienced, with good connection chemists and wholesalers, Scotland, required by well-known pharmaceutical house marketing nationally advertised medicinal and toilet products. Salary and expenses. Applicants should give fullest particulars of experience, age, connection and salary required; also whether car driver, to Box 5/209.

REPRESENTATIVE. A good opening occurs for a full time representative to call upon retail and wholesale chemists. Permanent position and good prospects with a well-known London firm of manufacturing chemists. Remuneration by salary and commission plus expenses. Applicants should have first-class connections and reside on the following territory: S. London and S.E. England. Car owner preferred. Full details, stating age, experience, etc., to Box 5/187.

REPRESENTATIVE, lady or gentleman, required by firm of manufacturing chemists to call upon doctors, chemists and hospitals in connection with high-class ethical pharmaceutical products. Salary, commission and expenses basis. North Warwickshire, Leicester, Nottinghamshire area. Applicants must reside on the ground. Box 5/179.

REPRESENTATIVE required by a well-known established London firm of wholesale manufacturing chemists. Good prospects for the right man to take over existing connections in the Midland area. Apply, giving full particulars of age, experience, etc. Box 5/156.

REPRESENTATIVE required by old-established London house for Midland territory. Applicants should have live connection with retail chemists and preferably some previous retail experience, not necessarily qualified. Please state age, experience and remuneration required. Box 5/162.

REPRESENTATIVE, part-time, calling on chemists and stores in London and district, required by manufacturing chemists, to handle medicinal tablets and pills on generous commission terms. Write Box 5/158.

REPRESENTATIVES wanted in the following areas: (1) South Wales, (2) Midlands, (3) Yorkshire, for nationally advertised patent medicine. Good connection with chemists, Co-ops., etc., essential. Permanent, progressive jobs for men willing to work. Write Box A. C. 35194, Samson Clark's, 57-61 Mortimer St., W.1.

REPRESENTATIVES calling on retail chemists required by wholesalers for all areas to carry bathroom and baby scales. Commission basis. Box 5/194.

REPRESENTATIVES required by manufactu cotton wool sanitary towels, cotton wool, etc ing wholesale and retail chemists, Lancs, Counties, Eastern Counties, South Midlands, Commission basis. Box 5/183.

REPRESENTATIVES required throughout Gt. to represent reputable London toilet firm. have good connection chemists, hairdressers, etc. Commission basis. Reply, stating te covered, to Box 5/190.

REPRESENTATIVES are required by old-esta manufacturer, to sell nationally advertised of products to wholesale and retail chemis allied trades. Appointments may be of two according to area (a) salary, commission a penses for exclusive representation; (b) com only with freedom to represent other lines. cies include a London territory (a). Ap writing, with full particulars and area pre to Box 5/157.

REPRESENTATIVES required for Scherk Lotion and Tars After-Shave Lotion, as adv in this issue of CHEMIST AND DRUGGIST. commission. An ideal additional range, sup by advertising in leading women's journals. Scherk, Ltd., 103 Cannon St., London, E.C

SUGAR COATER. An opportunity occurs first-class coater with experience in all ty plain and coloured work, to take charge partment in old-established London house. giving details of age, experience and sala quired. Box 5/164.

SURGICAL FITTER wanted for the measurin fitting of belts and trusses. Good salary f perienced man. Bradley & Bliss, Ltd., Lond Reading.

TABLET COATER. Wanted a first-class capable of handling all grades of work. I area. Apply, giving full details of age, exp and salary required. Box 5/166.

TABLET MAKER required for tablet departm Scotland. Must be fully experienced in th duction of high-class coated and uncoated t Reply to Factory Manager, Organon Labora Ltd., New Edinburgh Road, Newhouse by M well, Lanarkshire, giving full details of exp and salary required.

THE MANAGING DIRECTOR of a firm of facturing chemists in London requires a p assistant to take over, in stages, much of th at present undertaken by him. Applicants have (1) pharmaceutical qualifications, (2) knowledge of the industry, (3) experience i development and the control of represent etc. The vacancy is due to the rapid expans the business both at home and abroad, and a permanent career with excellent prospects man capable of undertaking responsibility. A salary will be paid to a suitable applicant. write in strictest confidence, giving age and of previous experience, to Box 5/143.

UNQUALIFIED LADY required for testing works laboratory of chemical manufacturers London. Applications with full particulars, ing, experience, if any, age and salary req to Box 4/532.

WANTED. Wholesale drug counter assistant (Unqualified, good prospects for young man initiative. Apply, stating age, experience and required, to Middleton & Co., Ltd., Middlesbr

YOUNG, ENTHUSIASTIC REPRESENTATIVE quired by firm of world repute to call on ch and other outlets in Northern Ireland, for cinal proprietaries, toiletries, surgical dressing Apply, giving experience, age, whether ma car driver and salary required, to Box 5/6

Situations Open—Continued

WHOLESALE (OVERSEAS)

AL CHEMICAL INDUSTRIES, LTD., have a for a pharmacist for sales office work in Applicants must be pharmaceutically quali- d aged about 32. Applications with full ars should be addressed to Imperial Chemi- armaceuticals), Ltd., Staff and Establish- ection, Fulshaw Hall, Wilmslow, Manches-

ORE. Sharp & Dohme, Ltd., require a s representative for Malaya, with head- in Singapore. Applicants must be quali- h up-to-date knowledge of modern thera- Age between 25 and 35 years. Single. term for 3 years. In addition to salary, s high cost-of-living bonus and quarter's e paid. Apply Export Division, Sharp & Ltd., Hoddesdon, Herts.

SITUATIONS WANTED

s 3/- (minimum) then 1d. per word. Box 1/-

RETAIL (HOME)

SER (36), Apothecaries Hall, ex-V.A.D., e for hospital position, permanent or tem- Widely experienced, which includes over ears in military and mental hospitals. Sec- duties also if required. Box 5/172.

28), with Apoth. Hall certificate, requires, hristmas, post as dispenser or dispenser- per. Two years' retail experience. Ipswich preferred. Box 5/184.

TAKING, quiet and efficient workmanship, years' practical experience. Personal super- C. W. Playfoot, 8 Aylward Rd., Merton .W.20. Tel. Liberty 4104.

CUMS SEEKING ENGAGEMENTS

IACIST, 16 years proprietor, available Pres- Fylde area January. Permanency con- Durant, 1 Powis Rd., Preston, Lancs.

WHOLESALE

young, well educated, experienced pur- harmaceuticals, dressings, printing and pack- eeks broader experience. Accustomed stock- and valuation. Box 5/206.

SALES MANAGER, qualified, thoroughly ex- ed all sides sales control, promotion and sing. Box 5/89.

ATORY ASSISTANT. Part-time work wanted ng married lady. Preference N.W. or Cen- ondon. Write 126A St. John's Wood, High W.8.

SENTATIVE will be free in the New Year. lass connection with chemists, Co-ops, large etc. South Wales, S.W. of England. Own ox 5/178.

MANAGER with 25 years' experience in ing toilet preparations and pharmaceutical ts in home and export markets. Well-known le. Box 5/201.

MANAGER seeks change. First-class connec- with leading buyers. Past experience includes ing of proprietaries and cosmetics. ughly conversant with all phases of sales sation. Widely travelled and linguist. Box

(34), M.P.S. Married. 11 years in the nd Far East. Wide experience in all branches siness in these territories seeks post in this y or overseas where living conditions are e for a family man. Keen on export and work. Highest references. Please communi- vith Box 5/168.

APPOINTMENTS

2/6 per line (12 lines=1"). Box 2/-

BOTLEYS PARK HOSPITAL MANAGEMENT COMMITTEE

REGISTERED ASSISTANT PHARMACIST for Botleys Park Hospital, Chertsey, Surrey. J.N.C. (Hospital Staffs) salary, viz., £370 inclusive; annual increments up to £450 p.a. Previous experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of not more than three recent testimonials, to Physician Superintendent, Botleys Park Hospital, Chertsey, Surrey.

FOUNTAIN HOSPITAL MANAGEMENT COMMITTEE, TOOTING, S.W.17

ASSISTANT PHARMACIST required immediately, J.N.C. (Hospital Staffs) Scale. Hospital experience not essential, but will be taken into consideration in determining commencing salary. Applications, stating age, qualifications and experience should be sent to the Physician Superintendent.

KING'S COLLEGE HOSPITAL, DENMARK HILL, S.E.5

REGISTERED ASSISTANT PHARMACIST required. Salary and hours in accordance with the J.N.C. Scale. Superannuation scheme in force. Applications with details of experience should be sent to The Pharmacist, at the above address.

THE UNITED LEEDS HOSPITALS THE GENERAL INFIRMARY AT LEEDS

Applications are invited for the appointment of ASSISTANT PHARMACIST (two required). Salary commencing at £350 p.a., plus meals when on duty and with additional payment for stand-by duty. The remuneration payable is subject to adjustment in the light of scales to be made known by the Minister of Health. National Health superannuation scheme in force. Night and week-end duty will be worked in rotation. Previous hospital experience not essential. Applicants must reply in own handwriting, stating sex, age and experience, and also enclose copies of not more than three recent testimonials, to the Secretary to the Board as soon as possible.

NORTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE

ANCOATS HOSPITAL, MILL STREET, MANCHESTER, 4

Applications are invited from suitably qualified Apothecaries' Hall CERTIFICATED DISPENSERS. Salary will be paid according to the scale applicable to certificated dispensers. Applications, stating age and experience, together with the names of two referees, should be sent to the undersigned as soon as possible and not later than Wednesday, 1st December, 1948.

JOHN H. DAFFORNE.
General Superintendent.

NORTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE

MANCHESTER VICTORIA MEMORIAL JEWISH HOSPITAL, CHEETHAM, MANCHESTER, 8.

Applications are invited from REGISTERED PHARMACISTS for the post of Assistant Pharmacist. Salary according to J.N.C. Scale (Hospital Staffs). National Health Service Superannuation Scheme in force. Applications with full particulars and copies of not more than three testimonials as soon as possible to the General Superintendent at the Hospital.

A. T. SAMPSON,
Secretary, Hospital Management Committee.

SOUTHEND-ON-SEA HOSPITALS GENERAL HOSPITAL, ROCHFORD, ESSEX

LOCUM ASSISTANT PHARMACIST required immediately for minimum of two months. Salary £8 10s. per week. Non-resident. All possible assistance will be given in finding accommodation in the district, without obligation to the hospital. Apply immediately to the Medical Superintendent, General Hospital, Rochford, Essex. (Tel. No.: Rochford 5628) stating date when available.

J. C. Field, Secretary
Hospital Management Committee
20 Warrior Square,
Southend-on-Sea.

SOUTHEND-ON-SEA HOSPITAL

GENERAL HOSPITAL, ROCHFORD

Applications are invited for the position of ASSISTANT PHARMACIST at the above hospital. Candidates should hold one of the registrable qualifications of the Pharmaceutical Society. The salary is in accordance with the recommendations of the Joint Negotiating Committee (Hospital Staffs), i.e., £370 x £15 x £20(1) to £450 per annum. The commencing salary will depend upon previous hospital experience.

The position is subject to the provisions of the National Health Service (Superannuation) Regulations, 1947. Application forms may be obtained from, and must be returned as soon as possible to, the Medical Superintendent, General Hospital, Rochford, Essex.

J. C. FIELD, Secretary.
Hospital Management Committee.
20 Warrior Square,
Southend-on-Sea.

STOKE-ON-TRENT HOSPITAL MANAGEMENT COMMITTEE NORTH STAFFORDSHIRE ROYAL INFIRMARY

Hartshill, Stoke-on-Trent

ASSISTANT PHARMACIST required (either sex). J.N.C. (Hospital Staffs) Scale, £370-£450 inclusive. Similar experience may determine commencing salary. Participation in superannuation scheme. Recently qualified pharmacists considered. Application, with usual particulars and copies of testimonials, should be forwarded to the Secretary at the above hospital.

MID HERTS GROUP HOSPITAL MANAGEMENT COMMITTEE

ASSISTANT PHARMACIST required Osterhills Hospital, St. Albans. Sala accordance with J.N.C. Scales. Hospit perience not essential. Application wit particulars to: The Secretary, Mid Group Hospital Management Comm Osterhills Hospital, Normandy Road, St. A

AGENCIES

36 words 17/6 (minimum) then 4d. per word.

AGENTS calling upon chemists are invited troduce a newly marketed roll film (not ex- Liberal commission paid on all new a Panda Roll Film Company, 12 Laings Mitcham, Surrey

ELECTRO MEDICAL APPLIANCES selling chemist and electrical trades. Agents wi connections in either or both these trades vited to contact manufacturers with a area representation on commission basis. send full details of lines now carried an covered to Box 5/174.

WELL-KNOWN LONDON manufacturer is of appointing commission agent in provi offer exceptionally good selling lines to w pharmacists and medical sundriesmen. Ap with first-class connections only considered particulars Box 5/211.

AGENCIES WANTED

36 words 8/6 (minimum) then 3d. per word.

AGENT with first-class wholesale connectio sires lines to offer to grocers, drapers, sta S. Wales, Midlands, Bristol and Lancs, fo Box 5/167.

BUSINESS OPPORTUNITIES

36 words 17/6 (minimum) then 4d. per word.

COMPANY with excellent registered trade design and formula for lavatory cleanser is pr to sell outright for reasonable sum. Writ M 1313, Marshall Hardy, Ltd., 211 Pic London, W.1.

McCLURE, YOUNG & CO., LTD., shares fo Full details from H. E. B., 30 Thurlow Hampstead, N.W.3.

LONDON MANUFACTURING CHEMISTS like to hear from any interested firm who undertake the filtration, condensing and dry permanent supplies of a thick extract into p Box 5/197.

MANUFACTURING CHEMISTS have facilitie space avaiable for the manufacture and/or ing of domestic, industrial or toilet products. tle, powder and tube filling. Frank Macowal, 30 Loughborough St., S.E.11. Reliance 3435

£3,000 NEEDED to improve existing chemist's ness in large provincial town, Eire. 4 per offered. Sound security. Details from Box 5/

FOR SALE

36 words 8/6 (minimum) then 3d. per word.

BLUE GUM TAPE. 600 coils each 800 ft., 1 1/- per coil. O. Scruton & Co., Ltd., Lane, York.

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. BARNES, Licensed Appraiser
RLWOOD STREET, VICTORIA, S.W.1
Telephone: VICtoria 5686

ES, 1-c.c., constricted neck, white, F.B., 0,000, not less than 20,000 lots. Tannic to 4 cwt. in bottles. Offers invited. Box

E. 3 solid mahogany, glass top counter prox. 7 ft. 6 in. x 2 ft. 5 in. Price, etc., geles, 8-12 Broadwick St., London, W.1.

NG PLANT consisting of: Manesty rotary 16, Manesty No. 3 multiple heavy duty, nn single punch, Mitchell drying cup- ectric), 3 gas dryers, Manesty granulator, drug mill, Russell mixer, various troughs, l. Spare sets of punches. Box 5/189.

White transparent OOX cut ⅝ in. long. surplus stock available immediately at cost ox 5/200.

WANTED

8/6 (minimum) then 3d. per word. Box 2/-

URRANT MEDICATED PASTILLES wanted ely by wholesale distributing house. 50 d quality blackcurrant medicated pastilles Do not offer unless supplies are available. nd sample with wholesale prices and terms. 6.

B P. required in small or large quanti- 5/182.

ACID, triple pressed, required in large . Box 4/2.

PRESSED STEARIC ACID required in small quantities. Particulars and prices to Box

WANTED. Refractometer suitable for the estimation of soluble solids. State make, type, condition and price. Box 5/193.

WONDER WORKER. Scientific Instrument for hæmorrhoids wanted. Miss M. A. Hebson, 20 Craigcrook Ave., Blackhall, Edinburgh.

MISCELLANEOUS SALES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

BATH CRYSTALS and salts or powder; perfumed and coloured for sale in bulk. Surplus supply in small or large lots, 25/-, 40/- and 30/- per cwt., respectively, plus tax. Lennard, Lee-Narvill & Co., Ltd., Anlaby Rd., Hull.

FOR SALE. 500 lbs. of refined beeswax in 1 oz. discs, 4/6 lb. Nageles, 8-12 Broadwick St., London, W.1

FOR SALE. 12 gross brand new 80-oz. Winchester bottles, price to clear, 144s. 4d. per gross. Various coloured Perspex, $\frac{3}{16}$ in. wide. Price to clear, 5s. 10d. per ft. Box 5/192.

FOR SALE. Standard saccharin tablets in packets of 100 tablets at 71s. per gross. Pro forma basis only. Postage free on all orders from and above 5 gross. Box 5/173.

FOR SALE. Several thousand 40-oz. winchester bottles with screw and glass stopper. Advance Industries (Penryn), Ponsharden Shipyard, Falmouth.

MAHOGANY SHOP FITTING, 16½ ft. long, 8½ ft. high, 10 in. deep. Sections to make one complete unit, 30 drawers, glass labels, 5 large cupboards, 3 small, 20 shelves, mirror and glass case. Reasonable price. Further details, Box 5/205.

NATIONAL CASH REGISTER; choice of three; modern; under maker's guarantee. Full details and photo from Box 5/204.

PHARMACY STOCK and fittings for sale as a complete unit at valuation or agreed figure, approx. £600. Termination of tenancy. J. G. Hodgson, Ltd., Lower Kirkgate, Wakefield.

REDUCED PRICE to clear surplus. 6 ex. Panchromatic films to fit 120/620. Every film guaranteed perfect. 18s. doz., plus carriage. Gross lots carriage paid. C.O.D. post. Box 4/922.

SACCHARIN TABLETS, 550-0.2g., in packets of 100, 73/- per gross. 5 gross and over, 72/- per gross. Cash with order. Garden Pharmacy, Ltd., 50 Greatorex St., London, E.1.

SURPLUS STOCKS. 16 x ½-cwt. drums dry extract of malt powder. 2 x 1 cwt. drums oil of aniseed China Star. 1 x 25 lb. tin rectified oil of peppermint. Brazilian. Enquiries. Box 5/207.

SURPLUS. Bath salts, high quality needle crystals, in Lavender, Rose, Eau-de-Cologne, Verbena, suitably tinted. Bulk 1-cwt lots, £1 15s. plus Purchase Tax. Sample on request. W. & F. Walker, Ltd., Kirkby, Liverpool.

THREE MANESTY R.S.1 rotary tableting machines, motorised, 400v., 3 ph., 50 cycles; in excellent condition. For tablets up to 1⅜ in. diameter. Genuine bargain. Box 5/188.

PREMISES TO LET

36 words 8/6 (minimum) then 3d. per word. Box 2/-

TO LET. Factory, 3,000 sq. ft., in East London, with office and laboratory accommodation. Plant, enamel-lined pans, stoneware, filters, small still, etc. for disposal. Box 5/112.

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DIMPLES Feeding Bottles are a reliable line for which there is a constant demand.

To ensure comfort in feeding, they are supplied complete with anti-colic teat.

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ANTI - COLIC TEATS are packed in small cartons in the same colours. Twelve cartons are contained in a display outer.

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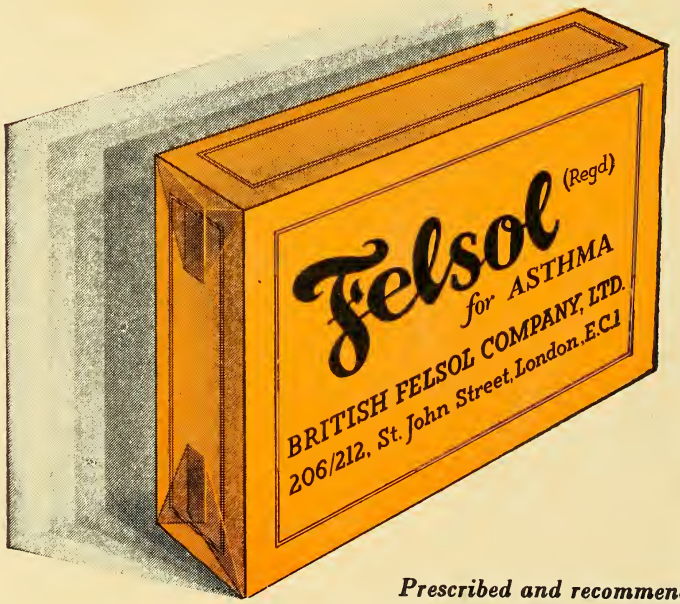

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